

BARRY DAMSCHEN CONSULTING, LLC

Engineering • Solid Waste Management • Grant Administration

November 6, 2003

RECEIVED ^{RS1}

NOV 06 2003

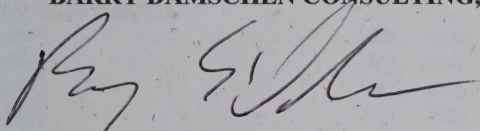
Tim Stepp
Solid Waste Program
Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

Dear Tim:

Please find enclosed a copy of the "raw data" from the Fall groundwater monitoring event conducted on October 15, 2003 at the Sanitation Inc. landfill. Hydrometrics will be forwarding to you the statistics report, etc. within the next few weeks.

Very truly yours,
BARRY DAMSCHEN CONSULTING, LLC



Barry E. Damschen, P.E.

Enclosure

cc: Sanitation Inc.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-001
Client Sample ID: SIMW-2

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		E150.1	10/17/03 15:20 / kaw
Conductivity	1110	umhos/cm		1		A2510 B	10/17/03 14:59 / kaw
INORGANICS							
Chloride	63	mg/L		1		E300.0	10/21/03 19:48 / jb
Sulfate	211	mg/L		1		E300.0	10/21/03 19:48 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:35 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2	mg/L		1		E410.4	10/21/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.78	mg/L		0.05		E353.2	10/20/03 13:05 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	10/20/03 22:37 / jjw
Arsenic	ND	mg/L		0.005		E200.8	10/20/03 22:37 / jjw
Barium	ND	mg/L		0.1		E200.8	10/20/03 22:37 / jjw
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 19:47 / rlh
Cadmium	ND	mg/L		0.001		E200.8	10/20/03 22:37 / jjw
Chromium	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Cobalt	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Copper	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Iron	1.50	mg/L		0.03		E200.7	10/21/03 15:23 / rlh
Lead	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/20/03 22:37 / jjw
Nickel	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Selenium	ND	mg/L		0.005		E200.8	10/20/03 22:37 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 19:47 / rlh
Thallium	ND	mg/L		0.1		E200.7	10/20/03 19:47 / rlh
Vanadium	ND	mg/L		0.1		E200.8	10/20/03 22:37 / jjw
Zinc	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-001
Client Sample ID: SIMW-2

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-001
Client Sample ID: SIMW-2

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC			70-130	SW8260B	10/20/03 22:52 / sbd
Surr: Dibromofluoromethane	114	%REC			77-126	SW8260B	10/20/03 22:52 / sbd
Surr: p-Bromofluorobenzene	119	%REC			76-127	SW8260B	10/20/03 22:52 / sbd
Surr: Toluene-d8	116	%REC			79-122	SW8260B	10/20/03 22:52 / sbd
NUTRIENTS							
Ammonia Nitrogen (NH3-N)	0.00	mg/L		0.05		2000.2	10/20/03 13:30 / sbd
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		2000.4	10/20/03 22:46 / sbd
Barium	ND	mg/L		0.05		2000.6	10/20/03 22:46 / sbd
Bismuth	ND	mg/L		0.1		2000.8	10/20/03 22:46 / sbd
Boron	ND	mg/L		0.05		2000.7	10/20/03 22:46 / sbd
Cadmium	ND	mg/L		0.01		2000.9	10/20/03 22:46 / sbd
Calcium	ND	mg/L		0.01		2000.8	10/20/03 22:46 / sbd
Chromium	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
Copper	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
Iron	ND	mg/L		0.05		2000.7	10/20/03 22:46 / sbd
Lead	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
Manganese	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
Mercury	ND	mg/L		0.01		2000.8	10/20/03 22:46 / sbd
Molybdenum	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
Nickel	ND	mg/L		0.05		2000.7	10/20/03 22:46 / sbd
Selenium	ND	mg/L		0.1		2000.8	10/20/03 22:46 / sbd
Silver	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
Sulfur	ND	mg/L		0.05		2000.8	10/20/03 22:46 / sbd
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Acrylonitrile	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Diethylhexylamine	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-002
Client Sample ID: SIMW-3

Report Date: 10/27/03
Collection Date: 10/15/03 12:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		E150.1	10/17/03 15:20 / kaw
Conductivity	799	umhos/cm		1		A2510 B	10/17/03 15:00 / kaw
INORGANICS							
Chloride	31	mg/L		1		E300.0	10/21/03 20:01 / jb
Sulfate	143	mg/L		1		E300.0	10/21/03 20:01 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:36 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2	mg/L		1		E410.4	10/21/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	9.13	mg/L		0.05		E353.2	10/20/03 13:06 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	10/20/03 22:48 / jjw
Arsenic	ND	mg/L		0.005		E200.8	10/20/03 22:48 / jjw
Barium	ND	mg/L		0.1		E200.8	10/20/03 22:48 / jjw
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 20:00 / rth
Cadmium	ND	mg/L		0.001		E200.8	10/20/03 22:48 / jjw
Chromium	ND	mg/L		0.01		E200.8	10/20/03 22:48 / jjw
Cobalt	ND	mg/L		0.01		E200.8	10/20/03 22:48 / jjw
Copper	ND	mg/L		0.01		E200.8	10/20/03 22:48 / jjw
Iron	0.22	mg/L		0.03		E200.7	10/21/03 15:33 / rth
Lead	ND	mg/L		0.01		E200.8	10/20/03 22:48 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/20/03 22:48 / jjw
Nickel	ND	mg/L		0.01		E200.8	10/20/03 22:48 / jjw
Selenium	0.021	mg/L		0.005		E200.8	10/20/03 22:48 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 20:00 / rth
Thallium	ND	mg/L		0.1		E200.7	10/20/03 20:00 / rth
Vanadium	ND	mg/L		0.1		E200.8	10/20/03 22:48 / jjw
Zinc	ND	mg/L		0.01		E200.8	10/20/03 22:48 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-002
Client Sample ID: SIMW-3

Report Date: 10/27/03
Collection Date: 10/15/03 12:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Dichlorodifluoromethane	0.33	ug/L	J	1.0		SW8260B	10/20/03 23:28 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-002
Client Sample ID: SIMW-3

Report Date: 10/27/03
Collection Date: 10/15/03 12:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Surr: 1,2-Dichloroethane-d4	103	%REC			70-130	SW8260B	10/20/03 23:28 / sbd
Surr: Dibromofluoromethane	114	%REC			77-126	SW8260B	10/20/03 23:28 / sbd
Surr: p-Bromofluorobenzene	117	%REC			76-127	SW8260B	10/20/03 23:28 / sbd
Surr: Toluene-d8	113	%REC			79-122	SW8260B	10/20/03 23:28 / sbd
NUTRIENTS							
Ammonia, nitrogen	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Ammonium, nitrogen	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Calcium	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Chloride	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Copper	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Fluoride	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Iron	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Magnesium	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Manganese	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Nickel	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Selenium	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Silver	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Sulfate	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Vanadium	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
Zinc	ND	mg/L		0.05		2291.7	10/20/03 23:28 / sbd
NON-VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Acrylonitrile	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-003
Client Sample ID: SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	10/17/03 15:21 / kaw
Conductivity	1370	umhos/cm		1		A2510 B	10/17/03 15:00 / kaw
INORGANICS							
Chloride	135	mg/L		1		E300.0	10/21/03 20:37 / jb
Sulfate	167	mg/L		1		E300.0	10/21/03 20:37 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:38 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	24	mg/L		1		E410.4	10/21/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	10/20/03 13:06 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.7	10/21/03 15:46 / rth
Arsenic	ND	mg/L		0.005		E200.8	10/23/03 02:19 / jjw
Barium	ND	mg/L		0.1		E200.7	10/21/03 15:46 / rth
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 20:17 / rth
Cadmium	ND	mg/L		0.001		E200.8	10/23/03 02:19 / jjw
Chromium	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Cobalt	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Copper	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Iron	0.06	mg/L		0.03		E200.7	10/21/03 15:46 / rth
Lead	ND	mg/L		0.01		E200.8	10/23/03 02:19 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/23/03 02:19 / jjw
Nickel	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Selenium	ND	mg/L		0.005		E200.8	10/23/03 02:19 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 20:17 / rth
Thallium	ND	mg/L		0.1		E200.7	10/20/03 20:17 / rth
Vanadium	ND	mg/L		0.1		E200.7	10/21/03 15:46 / rth
Zinc	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-003
Client Sample ID: SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-003
Client Sample ID: SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Surr: 1,2-Dichloroethane-d4	102	%REC			70-130	SW8260B	10/21/03 00:04 / sbd
Surr: Dibromofluoromethane	118	%REC			77-126	SW8260B	10/21/03 00:04 / sbd
Surr: p-Bromofluorobenzene	117	%REC			76-127	SW8260B	10/21/03 00:04 / sbd
Surr: Toluene-d8	115	%REC			79-122	SW8260B	10/21/03 00:04 / sbd
NUTRIENTS							
Ammonia	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Ammonium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Barium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Bismuth	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Boron	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Bromine	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Calcium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Cadmium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Chlorine	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Copper	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Fluoride	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Iron	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Lead	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Magnesium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Manganese	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Mercury	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Nickel	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Phosphorus	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Potassium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Selenium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Silver	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Sulfate	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Sulfide	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Sulfur	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Vanadium	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
Zinc	ND	mg/L		0.05		2290.7	10/21/03 15:49 / sbd
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Acrylonitrile	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Benzo(a)pyrene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Benzofluoranthene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-004
Client Sample ID: SIMW-4D

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	10/17/03 15:22 / kaw
Conductivity	1400	umhos/cm		1		A2510 B	10/17/03 15:00 / kaw
INORGANICS							
Chloride	135	mg/L		1		E300.0	10/21/03 20:49 / jb
Sulfate	167	mg/L		1		E300.0	10/21/03 20:49 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:40 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	26	mg/L		1		E410.4	10/21/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	10/20/03 13:07 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.7	10/21/03 15:49 / rh
Arsenic	ND	mg/L		0.005		E200.8	10/23/03 02:57 / jjw
Barium	ND	mg/L		0.1		E200.7	10/21/03 15:49 / rh
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 20:21 / rh
Cadmium	ND	mg/L		0.001		E200.8	10/23/03 02:57 / jjw
Chromium	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Cobalt	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Copper	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Iron	0.06	mg/L		0.03		E200.7	10/21/03 15:49 / rh
Lead	ND	mg/L		0.01		E200.8	10/23/03 02:57 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/23/03 02:57 / jjw
Nickel	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Selenium	ND	mg/L		0.005		E200.8	10/23/03 02:57 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 20:21 / rh
Thallium	ND	mg/L		0.1		E200.7	10/20/03 20:21 / rh
Vanadium	ND	mg/L		0.1		E200.7	10/21/03 15:49 / rh
Zinc	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-004
Client Sample ID: SIMW-4D

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-004
Client Sample ID: SIMW-4D

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC		1.0	70-130	SW8260B	10/21/03 00:41 / sbd
Surr: Dibromofluoromethane	115	%REC		1.0	77-126	SW8260B	10/21/03 00:41 / sbd
Surr: p-Bromofluorobenzene	116	%REC		1.0	76-127	SW8260B	10/21/03 00:41 / sbd
Surr: Toluene-d8	112	%REC		1.0	79-122	SW8260B	10/21/03 00:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,1-Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1-Dichloro-2,2-difluoroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromodichloroethane							

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-005
Client Sample ID: Trip Blank

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-005
Client Sample ID: Trip Blank

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC			70-130	SW8260B	10/20/03 19:16 / sbd
Surr: Dibromofluoromethane	118	%REC			77-126	SW8260B	10/20/03 19:16 / sbd
Surr: p-Bromofluorobenzene	114	%REC			76-127	SW8260B	10/20/03 19:16 / sbd
Surr: Toluene-d8	114	%REC			79-122	SW8260B	10/20/03 19:16 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Batch: PHSC031017A		
Sample ID: PHC10515	Laboratory Control Spike								10/17/03 10:56
Conductivity	150	umhos/cm	1.00	99.3	90	110			
Sample ID: PHC10514	Laboratory Control Spike								10/17/03 10:56
Conductivity	4940	umhos/cm	1.00	98.8	90	110			
Sample ID: DIH20	Method Blank								10/17/03 10:57
Conductivity	1.00	umhos/cm	1.00						
Sample ID: B03100934-001A	Sample Duplicate								10/17/03 13:34
Conductivity	3740	umhos/cm	1.00				1.9	10	
Sample ID: B03100934-011A	Sample Duplicate								10/17/03 13:37
Conductivity	4130	umhos/cm	1.00				0.7	10	
Sample ID: B03100934-021A	Sample Duplicate								10/17/03 14:41
Conductivity	904	umhos/cm	1.00				0.7	10	
Sample ID: B03100946-001A	Sample Duplicate								10/17/03 14:57
Conductivity	10600	umhos/cm	1.00				6.4	10	
Sample ID: B03100949-001A	Sample Duplicate								10/17/03 15:01
Conductivity	3260	umhos/cm	1.00				0.3	10	
Method: E150.1							Batch: PHSC031017A		
Sample ID: PHC10510	Laboratory Control Spike								10/17/03 10:57
pH	7.00	s.u.	0.100	100	90	110			
Sample ID: PHC10508	Laboratory Control Spike								10/17/03 10:57
pH	4.06	s.u.	0.100	102	90	110			
Sample ID: B03100934-001A	Sample Duplicate								10/17/03 13:48
pH	7.16	s.u.	0.100						
Sample ID: B03100934-011A	Sample Duplicate								10/17/03 13:56
pH	7.23	s.u.	0.100				0.1	10	
Sample ID: B03100934-021A	Sample Duplicate								10/17/03 14:48
pH	8.02	s.u.	0.100				1.5	10	
Sample ID: B03100946-001A	Sample Duplicate								10/17/03 15:12
pH	3.68	s.u.	0.100				0.5	10	
Sample ID: B03100949-001A	Sample Duplicate								10/17/03 15:23
pH	7.87	s.u.	0.100				0.5	10	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32681
Sample ID: MB-SPDIS031020A	Method Blank								10/20/03 17:05
Beryllium	ND	mg/L	0.0100						
Silver	ND	mg/L	0.0100						
Thallium	ND	mg/L	0.0100						
Sample ID: B03100664-004CMS2	Sample Matrix Spike								10/20/03 17:48
Beryllium	1.21	mg/L	0.00100	121	69.5	130.5			
Silver	1.21	mg/L	0.00500	121	69.5	130.5			
Sample ID: B03100664-004CMSD2	Sample Matrix Spike Duplicate								10/20/03 17:52
Beryllium	1.22	mg/L	0.00100	122	69.5	130.5	0.8	20	
Silver	1.20	mg/L	0.00500	120	69.5	130.5	0.3	20	
Sample ID: B03100934-004BMS2	Sample Matrix Spike								10/20/03 18:51
Beryllium	2.99	mg/L	0.00100	120	69.5	130.5			
Silver	2.97	mg/L	0.00510	119	69.5	130.5			
Thallium	6.05	mg/L	0.100	121	69.5	130.5			
Sample ID: B03100934-004BMSD2	Sample Matrix Spike Duplicate								10/20/03 18:56
Beryllium	2.97	mg/L	0.00100	119	69.5	130.5	0.9	20	
Silver	2.92	mg/L	0.00510	117	69.5	130.5	1.7	20	
Thallium	6.01	mg/L	0.100	120	69.5	130.5	0.8	20	
Sample ID: B03100951-001BMS2	Sample Matrix Spike								10/20/03 19:51
Beryllium	1.21	mg/L	0.00100	121	69.5	130.5			
Silver	1.19	mg/L	0.00500	119	69.5	130.5			
Thallium	2.45	mg/L	0.100	123	69.5	130.5			
Sample ID: B03100951-001BMSD2	Sample Matrix Spike Duplicate								10/20/03 19:55
Beryllium	1.18	mg/L	0.00100	118	69.5	130.5	2.7	20	
Silver	1.15	mg/L	0.00500	115	69.5	130.5	3.5	20	
Thallium	2.37	mg/L	0.100	119	69.5	130.5	3.3	20	
Sample ID: B03100998-002BMS2	Sample Matrix Spike								10/20/03 20:55
Beryllium	2.98	mg/L	0.00100	119	69.5	130.5			
Silver	2.90	mg/L	0.00510	116	69.5	130.5			
Thallium	5.97	mg/L	0.100	119	69.5	130.5			
Sample ID: B03100998-002BMSD2	Sample Matrix Spike Duplicate								10/20/03 21:08
Beryllium	3.02	mg/L	0.00100	121	69.5	130.5	1.4	20	
Silver	2.94	mg/L	0.00510	118	69.5	130.5	1.2	20	
Thallium	6.07	mg/L	0.100	121	69.5	130.5	1.7	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32731
Sample ID: MB-SPDIS031021A	Method Blank								10/21/03 13:19
Antimony	ND	mg/L	0.0200	100	69.5	130.5	1.3	20	
Barium	ND	mg/L	0.100	100	69.5	130.5	0.3	20	
Chromium	ND	mg/L	0.0500	100	69.5	130.5	0.2	20	
Cobalt	ND	mg/L	0.0200	100	69.5	130.5	0.5	20	
Copper	ND	mg/L	0.0100	100	69.5	130.5	3.0	20	
Iron	ND	mg/L	0.0300	100	69.5	130.5	0.8	20	
Nickel	ND	mg/L	0.0500	100	69.5	130.5	0.4	20	
Vanadium	ND	mg/L	0.100	100	69.5	130.5	0	20	
Zinc	0.00126	mg/L	0.0100	100	69.5	130.5	0.3	20	
Sample ID: B03100760-003AMS2	Sample Matrix Spike								10/21/03 14:40
Antimony	1.04	mg/L	0.0500	104	69.5	130.5			
Barium	1.05	mg/L	0.100	104	69.5	130.5			
Chromium	1.00	mg/L	0.0100	100	69.5	130.5			
Cobalt	1.03	mg/L	0.0100	103	69.5	130.5			
Copper	1.03	mg/L	0.0100	103	69.5	130.5			
Iron	5.16	mg/L	0.0300	103	69.5	130.5			
Nickel	1.02	mg/L	0.0100	102	69.5	130.5			
Vanadium	1.04	mg/L	0.100	104	69.5	130.5			
Zinc	1.03	mg/L	0.0100	103	69.5	130.5			
Sample ID: B03100760-003AMSD2	Sample Matrix Spike Duplicate								10/21/03 14:44
Antimony	1.05	mg/L	0.0500	105	69.5	130.5	1.3	20	
Barium	1.04	mg/L	0.100	104	69.5	130.5	0.3	20	
Chromium	1.00	mg/L	0.0100	100	69.5	130.5	0.2	20	
Cobalt	1.02	mg/L	0.0100	102	69.5	130.5	0.5	20	
Copper	1.00	mg/L	0.0100	100	69.5	130.5	3.0	20	
Iron	5.12	mg/L	0.0300	102	69.5	130.5	0.8	20	
Nickel	1.02	mg/L	0.0100	102	69.5	130.5	0.4	20	
Vanadium	1.03	mg/L	0.100	103	69.5	130.5	0	20	
Zinc	1.03	mg/L	0.0100	103	69.5	130.5	0.3	20	
Sample ID: B03100951-001BMS2	Sample Matrix Spike								10/21/03 15:26
Antimony	1.97	mg/L	0.0500	98.7	69.5	130.5			
Barium	2.06	mg/L	0.100	101	69.5	130.5			
Chromium	1.95	mg/L	0.0100	97.5	69.5	130.5			
Cobalt	1.99	mg/L	0.0100	99.6	69.5	130.5			
Copper	1.97	mg/L	0.0100	98.2	69.5	130.5			
Iron	11.6	mg/L	0.0300	101	69.5	130.5			
Nickel	1.98	mg/L	0.0100	99	69.5	130.5			
Vanadium	2.02	mg/L	0.100	101	69.5	130.5			
Zinc	1.99	mg/L	0.0100	98.9	69.5	130.5			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32731
Sample ID: B03100951-001BMSD2 Sample Matrix Spike Duplicate									10/21/03 15:30
Antimony	2.00	mg/L	0.0500	100	69.5	130.5	1.3	20	
Barium	2.05	mg/L	0.100	100	69.5	130.5	0.7	20	
Chromium	1.92	mg/L	0.0100	95.9	69.5	130.5	1.7	20	
Cobalt	1.96	mg/L	0.0100	98.1	69.5	130.5	1.4	20	
Copper	1.94	mg/L	0.0100	96.7	69.5	130.5	1.6	20	
Iron	11.4	mg/L	0.0300	98.6	69.5	130.5	2.0	20	
Nickel	1.95	mg/L	0.0100	97.6	69.5	130.5	1.5	20	
Vanadium	1.99	mg/L	0.100	99.2	69.5	130.5	1.4	20	
Zinc	1.96	mg/L	0.0100	97.2	69.5	130.5	1.8	20	
Sample ID: B03101005-001DMS2 Sample Matrix Spike									10/21/03 16:15
Antimony	9.84	mg/L	0.204	98.4	69.5	130.5			
Barium	10.0	mg/L	0.100	100	69.5	130.5			
Chromium	9.52	mg/L	0.0102	95.2	69.5	130.5			
Cobalt	9.72	mg/L	0.0102	97.2	69.5	130.5			
Copper	9.67	mg/L	0.0102	96.5	69.5	130.5			
Iron	61.3	mg/L	0.0300	98.1	69.5	130.5			
Nickel	9.65	mg/L	0.0306	96.5	69.5	130.5			
Vanadium	9.90	mg/L	0.100	99	69.5	130.5			
Zinc	9.68	mg/L	0.0102	96.6	69.5	130.5			
Sample ID: B03101005-001DMSD2 Sample Matrix Spike Duplicate									10/21/03 16:25
Antimony	9.83	mg/L	0.204	98.3	69.5	130.5	0.1	20	
Barium	9.90	mg/L	0.100	99	69.5	130.5	1.2	20	
Chromium	9.52	mg/L	0.0102	95.2	69.5	130.5	0	20	
Cobalt	9.71	mg/L	0.0102	97.1	69.5	130.5	0.1	20	
Copper	9.63	mg/L	0.0102	96.1	69.5	130.5	0.4	20	
Iron	61.2	mg/L	0.0300	97.9	69.5	130.5	0.2	20	
Nickel	9.71	mg/L	0.0306	97.1	69.5	130.5	0.6	20	
Vanadium	9.91	mg/L	0.100	99.1	69.5	130.5	0.1	20	
Zinc	9.65	mg/L	0.0102	96.3	69.5	130.5	0.3	20	
Sample ID: B03101004-005BMS2 Sample Matrix Spike									10/21/03 17:07
Antimony	1.93	mg/L	0.0500	96.7	69.5	130.5			
Barium	2.05	mg/L	0.100	95.7	69.5	130.5			
Chromium	1.87	mg/L	0.0100	93.6	69.5	130.5			
Cobalt	2.11	mg/L	0.0100	95.2	69.5	130.5			
Copper	1.87	mg/L	0.0100	93.7	69.5	130.5			
Iron	9.58	mg/L	0.0300	95.7	69.5	130.5			
Nickel	1.90	mg/L	0.0100	95.1	69.5	130.5			
Vanadium	1.92	mg/L	0.100	96.2	69.5	130.5			
Zinc	1.90	mg/L	0.0100	94.9	69.5	130.5			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32731
Sample ID: B03101004-005BMSD2	Sample Matrix Spike Duplicate								10/21/03 17:11
Antimony	1.93	mg/L	0.0500	96.4	69.5	130.5	0.3	20	
Barium	2.05	mg/L	0.100	96	69.5	130.5	0.3	20	
Chromium	1.86	mg/L	0.0100	92.9	69.5	130.5	0.8	20	
Cobalt	2.10	mg/L	0.0100	95.1	69.5	130.5	0	20	
Copper	1.87	mg/L	0.0100	93.6	69.5	130.5	0.1	20	
Iron	9.56	mg/L	0.0300	95.5	69.5	130.5	0.1	20	
Nickel	1.89	mg/L	0.0100	94.6	69.5	130.5	0.5	20	
Vanadium	1.93	mg/L	0.100	96.3	69.5	130.5	0.1	20	
Zinc	1.90	mg/L	0.0100	94.6	69.5	130.5	0.3	20	
Sample ID: B03100951-004C-MSD Sample Matrix Spike									
Antimony	0.0036	mg/L	0.0001	100	70	130			
Barium	0.181	mg/L	0.0002	101	70	130			
Bismuth	0.0032	mg/L	0.0001	101	70	130			
Cadmium	0.0006	mg/L	0.0002	97.5	70	130			
Chromium	0.0001	mg/L	0.0001	80.1	70	130			
Cobalt	0.0007	mg/L	0.0002	86.7	70	130			
Copper	0.0032	mg/L	0.0001	95.1	70	130			
Lead	0.0001	mg/L	0.0001	100	70	130			
Mercury	0.00027	mg/L	0.0001	127	70	130			
Nickel	0.0016	mg/L	0.0001	88.8	70	130			
Selenium	0.0002	mg/L	0.0002	100	70	130			
Vanadium	0.0012	mg/L	0.0001	88.8	70	130			
Zinc	0.0028	mg/L	0.0002	80	70	130			
Sample ID: B03100951-004C-MSD Sample Matrix Spike Duplicate									
Antimony	0.0032	mg/L	0.0002	100	70	130	1.2	20	
Barium	0.181	mg/L	0.0002	101.1	70	130	1.5	20	
Bismuth	0.0038	mg/L	0.0001	97.6	70	130	0	20	
Cadmium	0.0016	mg/L	0.0002	80.1	70	130	2.1	20	
Chromium	0.0003	mg/L	0.0001	80.1	70	130	0	20	
Cobalt	0.0002	mg/L	0.0001	80.1	70	130	1.1	20	
Copper	0.0008	mg/L	0.0001	80.1	70	130	0.4	20	
Lead	0.0007	mg/L	0.0001	101	70	130	2.8	20	
Mercury	0.00012	mg/L	0.0001	112	70	130	1.1	20	
Nickel	0.0003	mg/L	0.0001	80	70	130	0.6	20	
Selenium	0.0003	mg/L	0.0002	100	70	130	1.6	20	
Vanadium	0.0014	mg/L	0.0001	88.8	70	130	0	20	
Zinc	0.0008	mg/L	0.0001	80.1	70	130	0.2	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R32682
Sample ID: LRB	Method Blank								10/20/03 12:18
Antimony	0.000113	mg/L	0.0500						
Arsenic	ND	mg/L	0.00500						
Barium	0.0000280	mg/L	0.100						
Cadmium	ND	mg/L	0.00100						
Cobalt	ND	mg/L	0.0100						
Copper	ND	mg/L	0.0100						
Lead	0.0000220	mg/L	0.0100						
Nickel	ND	mg/L	0.0100						
Selenium	ND	mg/L	0.00500						
Zinc	0.00191	mg/L	0.0100						
Sample ID: B03100671-004CMS	Sample Matrix Spike								10/20/03 13:49
Antimony	0.0538	mg/L	0.0500	108	70	130			
Arsenic	0.164	mg/L	0.00500	101	70	130			
Barium	0.0752	mg/L	0.100	101	70	130			
Cadmium	0.0488	mg/L	0.00100	97.5	70	130			
Chromium	0.0403	mg/L	0.0100	80.5	70	130			
Cobalt	0.0467	mg/L	0.0100	86.3	70	130			
Copper	0.0432	mg/L	0.0100	85.5	70	130			
Lead	0.0521	mg/L	0.0100	104	70	130			
Mercury	0.00127	mg/L	0.00100	127	70	130			
Nickel	0.0519	mg/L	0.0100	83.8	70	130			
Selenium	0.0532	mg/L	0.00500	106	70	130			
Vanadium	0.0412	mg/L	0.100	82.3	70	130			
Zinc	0.0726	mg/L	0.0100	86	70	130			
Sample ID: B03100671-004CMSD	Sample Matrix Spike Duplicate								10/20/03 13:55
Antimony	0.0532	mg/L	0.0500	106	70	130	1.2	20	
Arsenic	0.161	mg/L	0.00500	96.4	70	130	1.5	20	
Barium	0.0735	mg/L	0.100	97.8	70	130	0	20	
Cadmium	0.0478	mg/L	0.00100	95.5	70	130	2.1	20	
Chromium	0.0403	mg/L	0.0100	80.6	70	130	0	20	
Cobalt	0.0462	mg/L	0.0100	85.3	70	130	1.1	20	
Copper	0.0428	mg/L	0.0100	84.7	70	130	0.8	20	
Lead	0.0507	mg/L	0.0100	101	70	130	2.6	20	
Mercury	0.00113	mg/L	0.00100	113	70	130	11	20	
Nickel	0.0515	mg/L	0.0100	83	70	130	0.8	20	
Selenium	0.0525	mg/L	0.00500	105	70	130	1.4	20	
Vanadium	0.0414	mg/L	0.100	82.9	70	130	0	20	
Zinc	0.0708	mg/L	0.0100	82.4	70	130	2.5	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R32682		
Sample ID: B03100671-004CMS	Sample Matrix Spike								10/20/03 18:01
Antimony	0.0515	mg/L	0.0500	103	70	130			
Arsenic	0.165	mg/L	0.00500	102	70	130			
Barium	0.0777	mg/L	0.100	105	70	130			
Cadmium	0.0496	mg/L	0.00100	99	70	130			
Chromium	0.0542	mg/L	0.0100	108	70	130			
Cobalt	0.0550	mg/L	0.0100	102	70	130			
Copper	0.0496	mg/L	0.0100	98.2	70	130			
Lead	0.0522	mg/L	0.0100	104	70	130			
Mercury	0.00112	mg/L	0.00100	112	70	130			
Nickel	0.0625	mg/L	0.0100	101	70	130			
Selenium	0.0506	mg/L	0.00500	100	70	130			
Vanadium	0.0568	mg/L	0.100	114	70	130			
Zinc	0.0752	mg/L	0.0100	88.8	70	130			
Sample ID: B03100671-004CMSD	Sample Matrix Spike Duplicate								10/20/03 18:06
Antimony	0.0521	mg/L	0.0500	104	70	130	1.2	20	
Arsenic	0.164	mg/L	0.00500	101	70	130	0.4	20	
Barium	0.0785	mg/L	0.100	106	70	130	0	20	
Cadmium	0.0499	mg/L	0.00100	99.5	70	130	0.6	20	
Chromium	0.0536	mg/L	0.0100	107	70	130	0.9	20	
Cobalt	0.0545	mg/L	0.0100	101	70	130	0.8	20	
Copper	0.0487	mg/L	0.0100	96.3	70	130	2.0	20	
Lead	0.0522	mg/L	0.0100	104	70	130	0	20	
Mercury	0.00108	mg/L	0.00100	108	70	130	3.4	20	
Nickel	0.0617	mg/L	0.0100	99.8	70	130	1.3	20	
Selenium	0.0513	mg/L	0.00500	102	70	130	1.5	20	
Vanadium	0.0561	mg/L	0.100	112	70	130	0	20	
Zinc	0.0766	mg/L	0.0100	91.6	70	130	1.8	20	
Sample ID: B03100856-002BMS	Sample Matrix Spike								10/20/03 21:11
Antimony	0.0520	mg/L	0.00300	104	70	130			
Arsenic	0.0563	mg/L	0.00500	104	70	130			
Barium	0.298	mg/L	0.100	93.8	70	130			A
Cadmium	0.0497	mg/L	0.00100	99.3	70	130			
Chromium	0.0534	mg/L	0.0100	100	70	130			
Cobalt	0.0479	mg/L	0.0100	95.5	70	130			
Copper	0.0494	mg/L	0.0100	92.8	70	130			
Lead	0.0510	mg/L	0.00100	102	70	130			
Mercury	0.000940	mg/L	0.000200	91.6	70	130			
Nickel	0.0492	mg/L	0.0100	93.3	70	130			
Selenium	0.0547	mg/L	0.00500	105	70	130			
Vanadium	0.0574	mg/L	0.0100	103	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R32682
Sample ID: B03100856-002BMS	Sample Matrix Spike								10/20/03 21:11
Zinc	0.0497	mg/L	0.0100	92.4	70	130			
Sample ID: B03100856-002BMSD	Sample Matrix Spike Duplicate								10/20/03 21:16
Antimony	0.0515	mg/L	0.00300	103	70	130	1.0	20	
Arsenic	0.0560	mg/L	0.00500	104	70	130	0.6	20	
Barium	0.297	mg/L	0.100	91.6	70	130	0.4	20	A
Cadmium	0.0490	mg/L	0.00100	97.9	70	130	1.4	20	
Chromium	0.0543	mg/L	0.0100	102	70	130	1.6	20	
Cobalt	0.0479	mg/L	0.0100	95.5	70	130	0	20	
Copper	0.0495	mg/L	0.0100	93	70	130	0.2	20	
Lead	0.0515	mg/L	0.00100	103	70	130	1.0	20	
Mercury	0.00101	mg/L	0.000200	98.8	70	130	7.4	20	
Nickel	0.0495	mg/L	0.0100	94	70	130	0.7	20	
Selenium	0.0542	mg/L	0.00500	104	70	130	1.0	20	
Vanadium	0.0590	mg/L	0.0100	106	70	130	2.7	20	
Zinc	0.0495	mg/L	0.0100	92.1	70	130	0.3	20	
Sample ID: B03100966-004AMS	Sample Matrix Spike								10/21/03 01:46
Antimony	0.0515	mg/L	0.00300	103	70	130			
Arsenic	0.0528	mg/L	0.00500	105	70	130			
Barium	0.0518	mg/L	0.100	103	70	130			
Cadmium	0.0514	mg/L	0.00100	103	70	130			
Chromium	0.0523	mg/L	0.0100	104	70	130			
Cobalt	0.0518	mg/L	0.0100	104	70	130			
Copper	0.680	mg/L	0.0100	121	70	130			A
Lead	0.0530	mg/L	0.00100	104	70	130			
Mercury	0.000990	mg/L	0.000200	99	70	130			
Nickel	0.0507	mg/L	0.0100	101	70	130			
Selenium	0.0531	mg/L	0.00500	106	70	130			
Vanadium	0.0527	mg/L	0.0100	105	70	130			
Zinc	0.104	mg/L	0.0100	98.2	70	130			
Sample ID: B03100966-004AMSD	Sample Matrix Spike Duplicate								10/21/03 01:51
Antimony	0.0518	mg/L	0.00300	104	70	130	0.6	20	
Arsenic	0.0527	mg/L	0.00500	105	70	130	0.2	20	
Barium	0.0509	mg/L	0.100	101	70	130	0	20	
Cadmium	0.0503	mg/L	0.00100	101	70	130	2.2	20	
Chromium	0.0527	mg/L	0.0100	105	70	130	0.7	20	
Cobalt	0.0513	mg/L	0.0100	103	70	130	1.1	20	
Copper	0.667	mg/L	0.0100	94.8	70	130	2.0	20	A
Lead	0.0530	mg/L	0.00100	104	70	130	0	20	
Mercury	0.000996	mg/L	0.000200	99.6	70	130	0.6	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R32682
Sample ID: B03100966-004AMSD	Sample Matrix Spike Duplicate								10/21/03 01:51
Nickel	0.0501	mg/L	0.0100	99.9	70	130	1.2	20	
Selenium	0.0545	mg/L	0.00500	109	70	130	2.5	20	
Vanadium	0.0531	mg/L	0.0100	105	70	130	0.7	20	
Zinc	0.105	mg/L	0.0100	101	70	130	1.2	20	
Sample ID: B03100966-005AMSD	Sample Matrix Spike Duplicate								10/22/03 10:50
Nickel	0.0337	mg/L	0.00400	99.1	70	130	1.2	20	
Selenium	0.0356	mg/L	0.00500	112	70	130	2.5	20	
Vanadium	0.0305	mg/L	0.0100	100	70	130	0.7	20	
Zinc	0.207	mg/L	0.02000	103	70	130	1.2	20	
Sample ID: B03100966-006AMSD	Sample Matrix Spike Duplicate								10/22/03 10:50
Nickel	0.031	mg/L	0.00400	99.7	70	130	1.2	20	
Selenium	0.034	mg/L	0.00500	112	70	130	2.5	20	
Vanadium	0.0305	mg/L	0.0100	100	70	130	0.7	20	
Zinc	0.212	mg/L	0.02000	106	70	130	1.2	20	
Sample ID: B03100966-007AMSD	Sample Matrix Spike Duplicate								10/22/03 10:50
Nickel	0.0334	mg/L	0.00400	107	70	130	1.2	20	
Selenium	0.0356	mg/L	0.00500	112	70	130	2.5	20	
Vanadium	0.0305	mg/L	0.0100	100	70	130	0.7	20	
Zinc	0.212	mg/L	0.02000	106	70	130	1.2	20	
Sample ID: B03100966-008AMSD	Sample Matrix Spike Duplicate								10/23/03 04:26
Nickel	0.0334	mg/L	0.00400	107	70	130	1.2	20	
Selenium	0.0356	mg/L	0.00500	112	70	130	2.5	20	
Vanadium	0.0305	mg/L	0.0100	100	70	130	0.7	20	
Zinc	0.212	mg/L	0.02000	106	70	130	1.2	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R32791
Sample ID: LRB	Method Blank								10/22/03 18:02
Arsenic	0.0000710	mg/L	0.00500						
Cadmium	ND	mg/L	0.00100						
Lead	ND	mg/L	0.0100						
Mercury	0.0000160	mg/L	0.00100						
Selenium	ND	mg/L	0.00500						
Sample ID: B03101005-001DMS	Sample Matrix Spike								10/22/03 19:50
Arsenic	0.237	mg/L	0.00500	93.1	70	130			
Cadmium	0.230	mg/L	0.00100	91.9	70	130			
Lead	0.265	mg/L	0.0100	106	70	130			
Selenium	0.266	mg/L	0.00500	105	70	130			
Sample ID: B03101005-001DMSD	Sample Matrix Spike Duplicate								10/22/03 19:56
Arsenic	0.241	mg/L	0.00500	94.7	70	130	1.7	20	
Cadmium	0.234	mg/L	0.00100	93.5	70	130	1.8	20	
Lead	0.265	mg/L	0.0100	106	70	130	0	20	
Selenium	0.275	mg/L	0.00500	108	70	130	3.1	20	
Sample ID: B03100951-003BMS	Sample Matrix Spike								10/23/03 02:24
Arsenic	0.0544	mg/L	0.00500	107	70	130			
Cadmium	0.0502	mg/L	0.00100	100	70	130			
Lead	0.0556	mg/L	0.0100	110	70	130			
Mercury	0.00108	mg/L	0.00100	108	70	130			
Selenium	0.0551	mg/L	0.00500	108	70	130			
Sample ID: B03100951-003BMSD	Sample Matrix Spike Duplicate								10/23/03 02:30
Arsenic	0.0560	mg/L	0.00500	111	70	130	3.1	20	
Cadmium	0.0509	mg/L	0.00100	102	70	130	1.4	20	
Lead	0.0560	mg/L	0.0100	111	70	130	0.8	20	
Mercury	0.00116	mg/L	0.00100	116	70	130	7.1	20	
Selenium	0.0556	mg/L	0.00500	109	70	130	0.9	20	
Sample ID: B03100966-001AMS	Sample Matrix Spike								10/23/03 04:28
Arsenic	0.0546	mg/L	0.00500	108	70	130			
Cadmium	0.0496	mg/L	0.00100	99.2	70	130			
Lead	0.0531	mg/L	0.00100	104	70	130			
Mercury	0.00105	mg/L	0.000200	105	70	130			
Selenium	0.0545	mg/L	0.00500	109	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32724
Sample ID: ICB	Method Blank								10/21/03 16:34
Chloride	ND	mg/L	1.00						
Sulfate	ND	mg/L	1.00						
Sample ID: B03100946-007A MS	Sample Matrix Spike								10/21/03 17:35
Chloride	41.6	mg/L	1.00	106	90	110			A
Sulfate	269	mg/L	1.00	104	90	110			A
Sample ID: B03100946-007A MSD	Sample Matrix Spike Duplicate								10/21/03 17:47
Chloride	41.6	mg/L	1.00	107	90	110	0.2	20	A
Sulfate	269	mg/L	1.00	104	90	110	0	20	A
Sample ID: B03100951-002A MS	Sample Matrix Spike								10/21/03 20:13
Chloride	41.9	mg/L	1.00	109	90	110			A
Sulfate	187	mg/L	1.00	112	90	110			SA
Sample ID: B03100951-002A MSD	Sample Matrix Spike Duplicate								10/21/03 20:25
Chloride	41.9	mg/L	1.00	109	90	110	0	20	A
Sulfate	187	mg/L	1.00	111	90	110	0.2	20	SA
Sample ID: B03100985-004A MS	Sample Matrix Spike								10/21/03 22:50
Chloride	102	mg/L	1.00	93.3	90	110			
Sulfate	1150	mg/L	2.70	116	90	110			S
Sample ID: B03100985-004A MSD	Sample Matrix Spike Duplicate								10/21/03 23:02
Chloride	102	mg/L	1.00	93.3	90	110	0	20	
Sulfate	1150	mg/L	2.70	116	90	110	0	20	S
Sample ID: B03101004-004A MS	Sample Matrix Spike								10/22/03 01:40
Chloride	37.3	mg/L	1.00	110	90	110			S
Sulfate	417	mg/L	1.00	119	90	110			SA
Sample ID: B03101004-004A MSD	Sample Matrix Spike Duplicate								10/22/03 01:52
Chloride	37.4	mg/L	1.00	111	90	110	0.4	20	S
Sulfate	418	mg/L	1.00	120	90	110	0.2	20	SA
Sample ID: B03100162-001AMS	Sample Matrix Spike								10/22/03 04:30
Chloride	109	mg/L	1.00	100	90	110			
Sulfate	2100	mg/L	2.70	116	90	110			SA
Sample ID: B03100162-001AMSD	Sample Matrix Spike Duplicate								10/22/03 04:42
Chloride	111	mg/L	1.00	102	90	110	1.3	20	
Sulfate	2110	mg/L	2.70	119	90	110	0.5	20	SA

Qualifiers: RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.
A - The analyte level was greater than four times the spike level.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E335.4							Batch: A2003-10-20_4_CN_01		
Sample ID: B03100948-001DMS Cyanide, Total Manual Distillation	Sample Matrix Spike 0.109	mg/L	0.00500	109	90	110			10/20/03 12:18
Sample ID: B03100948-001DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate 0.111	mg/L	0.00500	111	90	110	1.5		10/20/03 12:20 10 S
Sample ID: B03100951-004DMS Cyanide, Total Manual Distillation	Sample Matrix Spike 0.106	mg/L	0.00500	106	90	110			10/20/03 12:42
Sample ID: B03100951-004DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate 0.106	mg/L	0.00500	106	90	110	0.3		10/20/03 12:44 10
Sample ID: B03100948-001DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:45
Sample ID: B03100948-001DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:46
Sample ID: B03100951-004DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:47
Sample ID: B03100951-004DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:48
Sample ID: B03100948-001DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:49
Sample ID: B03100948-001DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:50
Sample ID: B03100951-004DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:51
Sample ID: B03100951-004DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:52
Sample ID: B03100948-001DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:53
Sample ID: B03100948-001DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:54
Sample ID: B03100951-004DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:55
Sample ID: B03100951-004DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:56
Sample ID: B03100948-001DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:57
Sample ID: B03100948-001DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 12:58
Sample ID: B03100951-004DMS Cyanide, Total Manual Distillation	Sample Matrix Spike								10/20/03 12:59
Sample ID: B03100951-004DMSD Cyanide, Total Manual Distillation	Sample Matrix Spike Duplicate								10/20/03 13:00

Qualifiers: RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Batch: 03102001-NN2	
Sample ID: MBLK	Method Blank								10/20/03 12:28
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.0500						
Sample ID: B03100931-001B MS	Sample Matrix Spike								10/20/03 12:33
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.0500	104	90	110			
Sample ID: B03100931-001B MSD	Sample Matrix Spike Duplicate								10/20/03 12:34
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.0500	103	90	110	1.0		10
Sample ID: B03100988-001A MS	Sample Matrix Spike								10/20/03 12:43
Nitrogen, Nitrate+Nitrite as N	1.29	mg/L	0.0500	105	90	110			
Sample ID: B03100988-001A MSD	Sample Matrix Spike Duplicate								10/20/03 12:44
Nitrogen, Nitrate+Nitrite as N	1.28	mg/L	0.0500	104	90	110	0.7		10
Sample ID: B03100881-001B MS	Sample Matrix Spike								10/20/03 12:53
Nitrogen, Nitrate+Nitrite as N	1.08	mg/L	0.0500	104	90	110			
Sample ID: B03100881-001B MSD	Sample Matrix Spike Duplicate								10/20/03 12:54
Nitrogen, Nitrate+Nitrite as N	1.06	mg/L	0.0500	103	90	110	1.2		10
Sample ID: B03100914-001A MS	Sample Matrix Spike								10/20/03 13:03
Nitrogen, Nitrate+Nitrite as N	1.98	mg/L	0.0500	101	90	110			
Sample ID: B03100914-001A MSD	Sample Matrix Spike Duplicate								10/20/03 13:04
Nitrogen, Nitrate+Nitrite as N	1.97	mg/L	0.0500	99.2	90	110	0.7		10
Sample ID: B03100989-001C MS	Sample Matrix Spike								10/20/03 13:13
Nitrogen, Nitrate+Nitrite as N	3.55	mg/L	0.0500	96.5	90	110			
Sample ID: B03100989-001C MSD	Sample Matrix Spike Duplicate								10/20/03 13:14
Nitrogen, Nitrate+Nitrite as N	3.54	mg/L	0.0500	95.1	90	110	0.4		10
Sample ID: B03100891-001B MS	Sample Matrix Spike								10/20/03 13:23
Nitrogen, Nitrate+Nitrite as N	2.36	mg/L	0.0500	100	90	110			
Sample ID: B03100891-001B MSD	Sample Matrix Spike Duplicate								10/20/03 13:23
Nitrogen, Nitrate+Nitrite as N	2.35	mg/L	0.0500	99.2	90	110	0.4		10

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R32725
Sample ID: MB-R32725	Method Blank								10/21/03 09:00
Oxygen Demand, Chemical (COD)	ND	mg/L	1.00						
Sample ID: LCS-R32725	Laboratory Control Spike								10/21/03 09:00
Oxygen Demand, Chemical (COD)	182	mg/L	1.00	97.3	90	110			
Sample ID: B03100923-001BMS	Sample Matrix Spike								10/21/03 09:00
Oxygen Demand, Chemical (COD)	28.3	mg/L	1.00	87.3	90	110			S
Sample ID: B03100923-001BMSD	Sample Matrix Spike Duplicate								10/21/03 09:00
Oxygen Demand, Chemical (COD)	28.5	mg/L	1.00	88.1	90	110	0.7	10	S
Sample ID: B03100951-002CMS	Sample Matrix Spike								10/21/03 09:00
Oxygen Demand, Chemical (COD)	26.6	mg/L	1.00	101	90	110			
Sample ID: B03100951-002CMSD	Sample Matrix Spike Duplicate								10/21/03 09:00
Oxygen Demand, Chemical (COD)	26.3	mg/L	1.00	99.6	90	110	1.1	10	

Qualifiers: RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R32683		
Sample ID: Ics102103	Laboratory Control Spike							10/20/03 16:55	
Acetone	56.4	ug/L	20.0	113	62	130			
Acrylonitrile	49.2	ug/L	20.0	98.4	72	124			
Benzene	4.60	ug/L	1.00	92	71	133			
Bromochloromethane	4.40	ug/L	1.00	88	68	131			
Bromodichloromethane	4.60	ug/L	1.00	92	67	138			
Bromoform	4.56	ug/L	1.00	91.2	64	136			
Bromomethane	5.80	ug/L	1.00	116	60	138			
Carbon disulfide	4.24	ug/L	1.00	84.8	45	162			
Carbon tetrachloride	4.48	ug/L	1.00	89.6	61	144			
Chlorobenzene	4.64	ug/L	1.00	92.8	78	136			
Chlorodibromomethane	4.60	ug/L	1.00	92	72	136			
Chloroethane	5.04	ug/L	1.00	101	64	136			
Chloroform	4.36	ug/L	1.00	87.2	69	133			
Chloromethane	6.88	ug/L	1.00	138	63	149			
1,2-Dibromo-3-chloropropane	4.24	ug/L	1.00	84.8	63	125			
1,2-Dibromoethane	4.76	ug/L	1.00	95.2	75	131			
Dibromomethane	4.72	ug/L	1.00	94.4	72	133			
1,2-Dichlorobenzene	4.64	ug/L	1.00	92.8	78	129			
1,4-Dichlorobenzene	4.64	ug/L	1.00	92.8	78	132			
trans-1,4-Dichloro-2-butene	5.04	ug/L	1.00	101	62	123			
Dichlorodifluoromethane	6.00	ug/L	1.00	120	55	141			
1,1-Dichloroethane	4.48	ug/L	1.00	89.6	72	130			
1,2-Dichloroethane	4.68	ug/L	1.00	93.6	57	146			
1,1-Dichloroethene	4.84	ug/L	1.00	96.8	66	142			
cis-1,2-Dichloroethene	4.72	ug/L	1.00	94.4	74	133			
trans-1,2-Dichloroethene	4.96	ug/L	1.00	99.2	76	138			
1,2-Dichloropropane	4.84	ug/L	1.00	96.8	72	135			
cis-1,3-Dichloropropene	4.76	ug/L	1.00	95.2	75	132			
trans-1,3-Dichloropropene	5.32	ug/L	1.00	106	77	145			
Ethylbenzene	4.84	ug/L	1.00	96.8	78	131			
2-Hexanone	51.6	ug/L	20.0	103	72	131			
Iodomethane	4.44	ug/L	1.00	88.8	70	140			
Methyl ethyl ketone	47.6	ug/L	20.0	95.2	55	145			
Methyl isobutyl ketone	52.8	ug/L	20.0	106	73	129			
Methylene chloride	4.84	ug/L	1.00	96.8	73	126			
Styrene	4.92	ug/L	1.00	98.4	76	134			
1,1,1,2-Tetrachloroethane	4.72	ug/L	1.00	94.4	75	135			
1,1,2,2-Tetrachloroethane	4.88	ug/L	1.00	97.6	72	132			
Tetrachloroethene	4.52	ug/L	1.00	90.4	78	137			
Toluene	4.96	ug/L	1.00	99.2	78	134			
1,1,1-Trichloroethane	4.32	ug/L	1.00	86.4	64	141			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/22/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: lcs102103	Laboratory Control Spike								10/20/03 16:55
1,1,2-Trichloroethane	4.72	ug/L	1.00	94.4	72	133			
Trichloroethene	4.60	ug/L	1.00	92	75	138			
Trichlorofluoromethane	4.72	ug/L	1.00	94.4	58	139			
1,2,3-Trichloropropane	4.80	ug/L	1.00	96	67	133			
Vinyl acetate	4.48	ug/L	1.00	89.6	42	120			
Vinyl chloride	5.24	ug/L	1.00	105	66	140			
m+p-Xylenes	9.64	ug/L	1.00	96.4	78	133			
o-Xylene	4.76	ug/L	1.00	95.2	79	136			
Surr: 1,2-Dichloroethane-d4			1.00	102	70	130			
Surr: Dibromofluoromethane			1.00	118	77	126			
Surr: p-Bromofluorobenzene			1.00	116	76	127			
Surr: Toluene-d8			1.00	115	79	122			
Sample ID: mb1k102103	Method Blank								10/20/03 18:05
Acetone	ND	ug/L	20.0						
Acrylonitrile	ND	ug/L	20.0						
Benzene	ND	ug/L	1.00						
Bromochloromethane	ND	ug/L	1.00						
Bromodichloromethane	ND	ug/L	1.00						
Bromoform	ND	ug/L	1.00						
Bromomethane	ND	ug/L	1.00						
Carbon disulfide	ND	ug/L	1.00						
Carbon tetrachloride	ND	ug/L	1.00						
Chlorobenzene	ND	ug/L	1.00						
Chlorodibromomethane	ND	ug/L	1.00						
Chloroethane	ND	ug/L	1.00						
Chloroform	ND	ug/L	1.00						
Chloromethane	ND	ug/L	1.00						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.00						
1,2-Dibromoethane	ND	ug/L	1.00						
Dibromomethane	ND	ug/L	1.00						
1,2-Dichlorobenzene	ND	ug/L	1.00						
1,4-Dichlorobenzene	ND	ug/L	1.00						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.00						
Dichlorodifluoromethane	ND	ug/L	1.00						
1,1-Dichloroethane	ND	ug/L	1.00						
1,2-Dichloroethane	ND	ug/L	1.00						
1,1-Dichloroethene	ND	ug/L	1.00						
cis-1,2-Dichloroethene	ND	ug/L	1.00						
trans-1,2-Dichloroethene	ND	ug/L	1.00						
1,2-Dichloropropane	ND	ug/L	1.00						
cis-1,3-Dichloropropene	ND	ug/L	1.00						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: mblk102103	Method Blank								10/20/03 18:05
trans-1,3-Dichloropropene	ND	ug/L	1.00						
Ethylbenzene	ND	ug/L	1.00						
2-Hexanone	ND	ug/L	20.0						
Iodomethane	ND	ug/L	1.00						
Methyl ethyl ketone	ND	ug/L	20.0						
Methyl isobutyl ketone	ND	ug/L	20.0						
Methylene chloride	ND	ug/L	1.00						
Styrene	ND	ug/L	1.00						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00						
Tetrachloroethene	ND	ug/L	1.00						
Toluene	ND	ug/L	1.00						
1,1,1-Trichloroethane	ND	ug/L	1.00						
1,1,2-Trichloroethane	ND	ug/L	1.00						
Trichloroethene	ND	ug/L	1.00						
Trichlorofluoromethane	ND	ug/L	1.00						
1,2,3-Trichloropropane	ND	ug/L	1.00						
Vinyl acetate	ND	ug/L	1.00						
Vinyl chloride	ND	ug/L	1.00						
m+p-Xylenes	ND	ug/L	1.00						
o-Xylene	ND	ug/L	1.00						
Surr: 1,2-Dichloroethane-d4			1.00	99.6	70	130			
Surr: Dibromofluoromethane			1.00	116	77	126			
Surr: p-Bromofluorobenzene			1.00	116	76	127			
Surr: Toluene-d8			1.00	111	79	122			
Sample ID: B03100948-001Ems	Sample Matrix Spike								10/21/03 11:31
Acetone	120	ug/L	40.0	120	62	130			
Acrylonitrile	104	ug/L	40.0	104	72	124			
Benzene	9.52	ug/L	2.00	95.2	71	133			
Bromochloromethane	8.88	ug/L	2.00	88.8	68	131			
Bromodichloromethane	9.36	ug/L	2.00	93.6	67	138			
Bromoform	9.44	ug/L	2.00	94.4	64	136			
Bromomethane	10.0	ug/L	2.00	100	60	138			
Carbon disulfide	10.1	ug/L	2.00	101	45	162			
Carbon tetrachloride	9.04	ug/L	2.00	90.4	61	144			
Chlorobenzene	9.44	ug/L	2.00	94.4	78	136			
Chlorodibromomethane	9.52	ug/L	2.00	95.2	72	136			
Chloroethane	9.28	ug/L	2.00	92.8	64	136			
Chloroform	9.04	ug/L	2.00	90.4	69	133			
Chloromethane	12.8	ug/L	2.00	128	63	149			
1,2-Dibromo-3-chloropropane	8.72	ug/L	2.00	87.2	63	125			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/22/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R32683		
Sample ID: B03100948-001Ems	Sample Matrix Spike							10/21/03 11:31	
1,2-Dibromoethane	9.60	ug/L	2.00	96	75	131	1.8	20	
Dibromomethane	9.68	ug/L	2.00	96.8	72	133	1.8	20	
1,2-Dichlorobenzene	9.60	ug/L	2.00	96	78	129	1.8	20	
1,4-Dichlorobenzene	9.60	ug/L	2.00	96	78	132	1.8	20	
trans-1,4-Dichloro-2-butene	10.6	ug/L	2.00	106	62	123	1.8	20	
Dichlorodifluoromethane	11.9	ug/L	2.00	119	55	141	1.1	20	
1,1-Dichloroethane	9.92	ug/L	2.00	99.2	72	130	1.8	20	
1,2-Dichloroethane	9.68	ug/L	2.00	96.8	57	146	1.7	20	
1,1-Dichloroethene	10.4	ug/L	2.00	104	66	142	1.8	20	
cis-1,2-Dichloroethene	9.84	ug/L	2.00	98.4	74	133	1.7	20	
trans-1,2-Dichloroethene	10.1	ug/L	2.00	101	76	138	1.8	20	
1,2-Dichloropropane	10.0	ug/L	2.00	100	72	135	1.8	20	
cis-1,3-Dichloropropene	9.76	ug/L	2.00	97.6	75	132	1.8	20	
trans-1,3-Dichloropropene	10.7	ug/L	2.00	107	77	145	1.8	20	
Ethylbenzene	9.60	ug/L	2.00	96	78	131	1.7	20	
2-Hexanone	106	ug/L	40.0	106	72	131	1.8	20	
Iodomethane	9.04	ug/L	2.00	90.4	70	140	1.8	20	
Methyl ethyl ketone	97.6	ug/L	40.0	97.6	55	145	1.8	20	
Methyl isobutyl ketone	100	ug/L	40.0	100	73	129	1.8	20	
Methylene chloride	10.0	ug/L	2.00	100	73	126	1.8	20	
Styrene	9.76	ug/L	2.00	97.6	76	134	1.7	20	
1,1,1,2-Tetrachloroethane	9.60	ug/L	2.00	96	75	135	1.8	20	
1,1,2,2-Tetrachloroethane	10.2	ug/L	2.00	102	72	132	1.8	20	
Tetrachloroethene	9.60	ug/L	2.00	96	78	137	1.8	20	
Toluene	9.84	ug/L	2.00	98.4	78	134	1.8	20	
1,1,1-Trichloroethane	8.88	ug/L	2.00	88.8	64	141	1.7	20	
1,1,2-Trichloroethane	9.52	ug/L	2.00	95.2	72	133	1.8	20	
Trichloroethene	9.44	ug/L	2.00	94.4	75	138	1.8	20	
Trichlorofluoromethane	9.68	ug/L	2.00	96.8	58	139	1.8	20	
1,2,3-Trichloropropane	10.1	ug/L	2.00	101	67	133	1.8	20	
Vinyl acetate	9.28	ug/L	2.00	92.8	42	120	1.7	20	
Vinyl chloride	9.68	ug/L	2.00	96.8	66	140	1.8	20	
m+p-Xylenes	19.2	ug/L	2.00	96	78	133	1.8	20	
o-Xylene	9.68	ug/L	2.00	96.8	79	136	1.8	20	
Surr: 1,2-Dichloroethane-d4			2.00	104	70	130	1.7	20	
Surr: Dibromofluoromethane			2.00	116	77	126	1.7	20	
Surr: p-Bromofluorobenzene			2.00	119	76	127	1.8	20	
Surr: Toluene-d8			2.00	115	79	122	1.8	20	
Sample ID: B03100948-001Emsd	Sample Matrix Spike Duplicate							10/21/03 12:07	
Acetone	118	ug/L	40.0	118	62	130	2.0	20	
Acrylonitrile	104	ug/L	40.0	104	72	124	0	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/22/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: B03100948-001Emsd	Sample Matrix Spike Duplicate								10/21/03 12:07
Benzene	9.28	ug/L	2.00	92.8	71	133	2.6	20	
Bromochloromethane	8.72	ug/L	2.00	87.2	68	131	1.8	20	
Bromodichloromethane	9.28	ug/L	2.00	92.8	67	138	0.9	20	
Bromoform	9.20	ug/L	2.00	92	64	136	2.6	20	
Bromomethane	9.92	ug/L	2.00	99.2	60	138	0.8	20	
Carbon disulfide	9.04	ug/L	2.00	90.4	45	162	11	20	
Carbon tetrachloride	8.64	ug/L	2.00	86.4	61	144	4.5	20	
Chlorobenzene	9.28	ug/L	2.00	92.8	78	136	1.7	20	
Chlorodibromomethane	9.28	ug/L	2.00	92.8	72	136	2.6	20	
Chloroethane	9.92	ug/L	2.00	99.2	64	136	6.7	20	
Chloroform	8.88	ug/L	2.00	88.8	69	133	1.8	20	
Chloromethane	12.3	ug/L	2.00	123	63	149	3.8	20	
1,2-Dibromo-3-chloropropane	8.48	ug/L	2.00	84.8	63	125	2.8	20	
1,2-Dibromoethane	9.60	ug/L	2.00	96	75	131	0	20	
Dibromomethane	9.52	ug/L	2.00	95.2	72	133	1.7	20	
1,2-Dichlorobenzene	8.96	ug/L	2.00	89.6	78	129	6.9	20	
1,4-Dichlorobenzene	9.28	ug/L	2.00	92.8	78	132	3.4	20	
trans-1,4-Dichloro-2-butene	10.4	ug/L	2.00	104	62	123	1.5	20	
Dichlorodifluoromethane	12.0	ug/L	2.00	120	55	141	0.7	20	
1,1-Dichloroethane	9.36	ug/L	2.00	93.6	72	130	5.8	20	
1,2-Dichloroethane	9.52	ug/L	2.00	95.2	57	146	1.7	20	
1,1-Dichloroethene	10.0	ug/L	2.00	100	66	142	3.9	20	
cis-1,2-Dichloroethene	9.52	ug/L	2.00	95.2	74	133	3.3	20	
trans-1,2-Dichloroethene	10.0	ug/L	2.00	100	76	138	0.8	20	
1,2-Dichloropropane	9.92	ug/L	2.00	99.2	72	135	0.8	20	
cis-1,3-Dichloropropene	9.60	ug/L	2.00	96	75	132	1.7	20	
trans-1,3-Dichloropropene	10.5	ug/L	2.00	105	77	145	2.3	20	
Ethylbenzene	9.92	ug/L	2.00	99.2	78	131	3.3	20	
2-Hexanone	106	ug/L	40.0	106	72	131	0.8	20	
Iodomethane	9.12	ug/L	2.00	91.2	70	140	0.9	20	
Methyl ethyl ketone	96.0	ug/L	40.0	96	55	145	1.7	20	
Methyl isobutyl ketone	100	ug/L	40.0	100	73	129	0	20	
Methylene chloride	9.76	ug/L	2.00	97.6	73	126	2.4	20	
Styrene	9.36	ug/L	2.00	93.6	76	134	4.2	20	
1,1,1,2-Tetrachloroethane	9.44	ug/L	2.00	94.4	75	135	1.7	20	
1,1,2,2-Tetrachloroethane	9.52	ug/L	2.00	95.2	72	132	7.3	20	
Tetrachloroethene	9.36	ug/L	2.00	93.6	78	137	2.5	20	
Toluene	9.92	ug/L	2.00	99.2	78	134	0.8	20	
1,1,1-Trichloroethane	8.96	ug/L	2.00	89.6	64	141	0.9	20	
1,1,2-Trichloroethane	9.20	ug/L	2.00	92	72	133	3.4	20	
Trichloroethene	9.28	ug/L	2.00	92.8	75	138	1.7	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/22/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: B03100948-001Emsd									10/21/03 12:07
Sample Matrix Spike Duplicate									
Trichlorofluoromethane	9.52	ug/L	2.00	95.2	58	139	1.7	20	
1,2,3-Trichloropropane	9.52	ug/L	2.00	95.2	67	133	5.7	20	
Vinyl acetate	8.72	ug/L	2.00	87.2	42	120	6.2	20	
Vinyl chloride	10.2	ug/L	2.00	102	66	140	4.8	20	
m+p-Xylenes	19.1	ug/L	2.00	95.6	78	133	0.4	20	
o-Xylene	9.52	ug/L	2.00	95.2	79	136	1.7	20	
Surr: 1,2-Dichloroethane-d4			2.00	102	70	130			
Surr: Dibromofluoromethane			2.00	113	77	126			
Surr: p-Bromofluorobenzene			2.00	113	76	127			
Surr: Toluene-d8			2.00	114	79	122			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Sample Receipt Checklist

Client Name **SNTTN-INC**

Date and Time Received:

10/17/2003

Work Order Number **B03100951**

Received by **rlm**

Checklist completed b

Signature

Date

Reviewed by

Initials

Date

Carrier name Hand Del

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

4 °C On Ice

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Not Applicable ☐

Adjusted?

Checked by rlm

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action



Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT, provide as much information as possible.

Refer to corresponding notes on reverse side.

Company Name: BARRY DAMSCH Consulting			Project Name, PWS #, Permit #, Etc.: SANITATION INC. Landfill		
Report Address: 5531 YORK ROAD HOLMSTOWN, MT 59602			Contact Name, Phone, Fax, E-mail: BARRY DAMSCH 461-5003		
Invoice Address: Bill Spojan Sanitation Inc Box 882 Holmstown, MT 59457			Invoice Contact & Phone #: Bill Spojan 538-8767		Purchase Order #:
Report Required For: POTW/WWTP DW Other MT DEP Solid Waste			Notify ELI prior to RUSH sample submittal for additional charges and scheduling		ELI Quote #:
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EED/EDT ☐ Format _____			ANALYSIS REQUESTED		Receipt Temp 4-20°C Cooler ID(s) NA Custody Seal Y ☒ N Intact Y N Signature Y N Match Lab ID
Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Biosassay Other MT DEP Solid Waste Table 1 MT DEP Solid Waste Table 1			SEE ATTACHED Normal Turnaround (TAT) RUSH Turnaround (TAT)		Comments:
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)			Collection Date	Collection Time	MATRIX
1 SP-1					
2 SIMW-2			10-15-03	1135	6W X
3 SIMW-3			10-15-03	1230	6W X
4 SIMW-4			10-15-03	1330	6W X
5 SIMW-4D			10-15-03	1330	6W X
6 TRIP BLANK					1W X
7					
8					
9					
10					
Custody Record MUST be Signed			Relinquished by: Barry Spojan Date/Time: 10-17-03 1230		Shipped by: hand delivered
			Relinquished by: _____ Date/Time: _____		Shipped by: _____
			Sample Disposal: _____ Return to client: _____ Lab Disposal: X		Received by: Kendall Date/Time: 10/17/03 @ 1230
			LABORATORY USE ONLY		Sample Type: _____ # of fractions _____

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: San Inc Landfill Well: Sima-1

Personnel: Barry Damschen

Date: 10-15-03 Time: 1045

Conditions: Sunny - calm - 40's

Static Water Level: 46.80 Total Depth Purged: _____

Purge Method: could not get any Volume Purged: 0
water out

	Volume	Temperature	Conductivity	pH
1.	_____	_____	_____	_____
2.	_____	<u>did not</u>	<u>sample</u>	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 _____ h2 _____ time 7:00 depth: 70-85

Comments:

SIP-2=52.85

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN. INC 2425111 Well: S1mw-2
Personnel: Barry Damschen
Date: 10-15-03 Time: 1115
Conditions: sunny 40's breezy
Static Water Level: 36.10 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: 1 1/4 gallons

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/4 gal</u>	<u>50.1</u>	<u>2550</u>	<u>7.21</u>
2.	<u>boiled dry</u>	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>	<u></u>

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.01 time 7 sec depth: ~~38.5~~

38

Comments:

S1P-1: 35.40

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: Spartan Tr Controll Well: SIMW-3
Personnel: Barry Damschen
Date: 10-15-03 Time: 1230
Conditions: windy - sunny - 40's
Static Water Level: 32.41 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/2 gal</u>	<u>50.5</u>	<u>2010</u>	<u>7.15</u>
2.	<u>1 5/4</u>	_____	<u>1860</u>	<u>7.34</u>
3.	<u>2 gal</u>	_____	<u>1920</u>	<u>7.32</u>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.02 time 8 sec depth: 44

Comments:

SIP-1 = 35.40

BARRY DAMSCHEN CONSULTING, LLC.

Helena, Montana

Ground-Water Monitoring Field Report

Project: Sanitation Trc. Landfill Well: Sima-4, 4D

Personnel: Barry Damschen

Date: 10-15-03 Time: 1330

Conditions: Windy - low 50's with clouds

Static Water Level: 40.36 Total Depth Purged: _____

Purge Method: hand bailer Volume Purged: 4 1/2 gal

	Volume	Temperature	Conductivity	pH
1.	<u>3 1/2 gal</u>	<u>45.9</u>	<u>3210</u>	<u>6.82</u>
2.	<u>4 gal</u>	<u>45.3</u>	<u>316</u>	<u>6.90</u>
3.	<u>4 1/2 gal</u>	<u>45.8</u>	<u>3260</u>	<u>6.88</u>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 9 sec depth: 44

Comments:

Lozshed

County Fergus
Facility & # San Line
Closure Landfarm
Finan Assur Liner
GW Corr Meas Methane
GW Monitoring O & M
GW Reports Run - On
Inspections
Other:

Copy Log

Tain
will reapd.

Pat

Where are field notes? How
much water did these wells
make/recovery?

ORIGINAL

DEQ Metcalf Legal

AUG 04 2004

PO Box 200901

Ugrin, Alexander, Zadick & Higgins, P.C.

John D. Alexander
Nancy P. Cory
Mark F. Higgins
Robert F. James
Cathy J. Lewis
Mark D. Meyer
Neil E. Ugrin
Roger T. Witt
Gary M. Zadick

Attorneys at Law
#2 Railroad Square, Suite B
P.O. Box 1746
Great Falls, Montana, 59403-1746

Telephone
(406) 771-0007

Fax
(406) 452-9360

E-mail
uazh@uazh.com

August 3, 2004

Our File: SA26-04

Keith A. Christie, Special Assistant Attorney General
Department of Environmental Quality
Legal Unit, Metcalf Building
P.O. Box 200901
Helena, MT 59620-0901

RECEIVED

AUG 04 2004

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Re: State of Montana v. Sanitation, Inc.

Dear Mr. Christie:

It was a pleasure to visit with you today. Per our discussion, I am enclosing the Laboratory Analytical Reports regarding the Sanitation Inc. landfill site.

In discussing it with Energy Labs, I have been told that these, especially the new well, are very good and would meet the standard for potable water in many places in eastern Montana. These are provided for your review as well as the Department's.

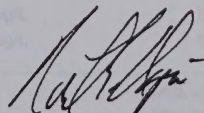
Prior to my initiating discovery with regard to other landfill sites, their monitoring, etc., I will wait a couple of weeks for a further discussion with you.

I appreciate your giving me until the last defendant's appearance is due to file all the defendants' answers.

I look forward to visiting with you on August 17th.

Sincerely,

UGRIN, ALEXANDER, ZADICK & HIGGINS, P.C.



Neil E. Ugrin

NEU/srd
Enclosure

ORIGINAL

Ughn, Alexander, Zedick & Higgins, P.C.

Attorneys at Law

62 Railroad Square, Suite B

P.O. Box 1748

Great Falls, Montana, 59403-1748

John D. Alexander

Francis P. Cook

Mark F. Higgins

Robert F. James

Cathy A. Lewis

Mark D. Meyer

Mark E. Quinn

Robert T. Smith

Gregory M. Zedick

August 3, 2004

Our File: BAA-14

Kathleen A. Chaffin, Special Assistant Attorney General

Department of Environmental Quality

Legislative Mall Building

P.O. Box 200001

Helena, MT 59620-0001

Re: State of Montana v. Bardonian, Inc.

Dear Mr. Chaffin:

It was a pleasure to visit with you today. Per our discussion, I am enclosing this Laboratory Analytical Report regarding the Bardonian Inc. landfill site.

In discussing it with Energy Lab, I have been told that there, especially the new well, are very good and would meet the standard for potable water in many places in eastern Montana. These are provided for your review as well as the Department's

Prior to my meeting tomorrow with regard to other landfill sites, their monitoring, etc., I will wait a couple of weeks for a further discussion with you.

I appreciate your having me until the last defendant's appearance is due to file all the defendant's answers.

I look forward to visiting with you on August 17th.

Sincerely,

UGHRIN, ALEXANDER, ZEDICK & HIGGINS, P.C.

Mark E. Quinn

DEC 10/2004

AUG 8 2004

PO Box 1700

Telephone
(408) 777-0007

Fax
(408) 452-8900

E-mail
uzh@uzh.com

RECEIVED

AUG 9 4 2004

Dept. of Env't Quality
Water & Pollution
Management Bureau



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-001
Client Sample ID: SIMW-1

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		E150.1	06/24/04 16:38 / klc
Conductivity	845	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	24	mg/L		1		E300.0	06/28/04 21:57 / qed
Sulfate	79	mg/L		1		E300.0	06/28/04 21:57 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:04 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	3.88	mg/L		0.05		E353.2	06/28/04 14:56 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:10 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/02/04 03:04 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:10 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:15 / rth
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:10 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Copper	ND	mg/L		0.01		E200.7	06/30/04 12:15 / rth
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:15 / rth
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:10 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Selenium	0.014	mg/L		0.005		E200.8	07/01/04 06:10 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:10 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:10 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:10 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:15 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-001
Client Sample ID: SIMW-1

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-001
Client Sample ID: SIMW-1

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Surr: 1,2-Dichloroethane-d4	87.6	%REC			70-130	SW8260B	06/30/04 00:06 / trr
Surr: Dibromofluoromethane	95.2	%REC			77-126	SW8260B	06/30/04 00:06 / trr
Surr: p-Bromofluorobenzene	91.2	%REC			76-127	SW8260B	06/30/04 00:06 / trr
Surr: Toluene-d8	95.6	%REC			79-122	SW8260B	06/30/04 00:06 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYSIS REPORT

Report Date: 07/20/2014
Collection Date: 07/14/2014
Site Number: 062104
Matrix: Sediment

Event: Sediment
Project: Sediment Sampling
Lab ID: 062104-01
Event Sample ID: 061W

Analysis	Result	Unit	QCL	QCL	Method	Analysis Date
VEGETABLE ORGANIC COMPOUNDS						
1,2,3,4,5-Pentachlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2,4,5-Tetrachlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2,4-Trichlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,3,5-Trichlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,3-Dichlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,4-Dichlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,4-Dichlorobenzene-d4	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d4	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d6	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d8	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d10	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d12	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d14	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d16	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d18	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d20	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d22	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d24	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d26	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d28	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d30	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d32	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d34	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d36	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d38	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d40	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d42	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d44	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d46	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d48	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d50	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d52	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d54	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d56	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d58	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d60	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d62	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d64	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d66	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d68	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d70	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d72	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d74	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d76	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d78	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d80	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d82	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d84	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d86	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d88	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d90	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d92	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d94	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d96	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d98	ND	ug/g	1.0	1.0	20140720	062104-01-01
1,2-Dichlorobenzene-d100	ND	ug/g	1.0	1.0	20140720	062104-01-01

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-002
Client Sample ID: SIMW-2

Report Date: 07/08/04
Collection Date: 06/21/04 14:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		E150.1	06/24/04 16:38 / klc
Conductivity	1160	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	58	mg/L		1		E300.0	06/28/04 22:55 / qed
Sulfate	211	mg/L	D	3		E300.0	06/28/04 22:55 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:06 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.34	mg/L		0.05		E353.2	06/28/04 14:57 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:45 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 06:45 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:45 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:19 / rth
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:45 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Copper	ND	mg/L		0.01		E200.8	07/02/04 03:11 / jjw
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:19 / rth
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:45 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Selenium	ND	mg/L		0.005		E200.8	07/01/04 06:45 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:45 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:45 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:45 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:19 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-002
Client Sample ID: SIMW-2

Report Date: 07/08/04
Collection Date: 06/21/04 14:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-002
Client Sample ID: SIMW-2

Report Date: 07/08/04
Collection Date: 06/21/04 14:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Surr: 1,2-Dichloroethane-d4	90.4	%REC			70-130	SW8260B	06/30/04 15:03 / trr
Surr: Dibromofluoromethane	96.8	%REC			77-126	SW8260B	06/30/04 15:03 / trr
Surr: p-Bromofluorobenzene	95.6	%REC			76-127	SW8260B	06/30/04 15:03 / trr
Surr: Toluene-d8	96.8	%REC			79-122	SW8260B	06/30/04 15:03 / trr
SEMI-VOLATILE ORGANIC COMPOUNDS							
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Phenol	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
o-Cresol	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
m-Cresol	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
p-Cresol	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,4-Tetrachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,5-Tetrachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,6-Tetrachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,4,5-Tetrachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,4,5-Pentachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,4,6-Pentachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,5,6-Pentachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3,4,5,6-Hexachlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
WATER-SOLUBLE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Formaldehyde	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Diethylamine	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Diethylamine	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-003
Client Sample ID: SIMW-3

Report Date: 07/08/04
Collection Date: 06/21/04 15:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		E150.1	06/24/04 16:39 / klc
Conductivity	802	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	31	mg/L		1		E300.0	06/28/04 23:07 / qed
Sulfate	143	mg/L		1		E300.0	06/28/04 23:07 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:08 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	8.06	mg/L		0.05		E353.2	06/28/04 14:58 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:52 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 06:52 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:52 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:24 / rlh
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:52 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Copper	ND	mg/L		0.01		E200.7	06/30/04 12:24 / rlh
Iron	0.34	mg/L		0.03		E200.7	06/30/04 12:24 / rlh
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:52 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Selenium	0.021	mg/L		0.005		E200.8	07/02/04 03:18 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:52 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:52 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:52 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:24 / rlh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Report Date: 01/20/2014
Collection Date: 01/15/2014
Batch Number: 101101
Analysis Agency:

Client: Johnson Inc.
Project: Johnson Inc. Sample
Lab ID: 1010101-101
Client Sample ID: 1010101

Analysis	Result	Unit	Method	Analysis Date
PHYSICAL PROPERTIES				
Boiling Point	174	°C	ASTM D-1163	01/15/2014
Flash Point	102	°C	ASTM D-93	01/15/2014
COMPOSITION				
Carbon	87	wt%	ASTM D-1551	01/15/2014
Hydrogen	14.5	wt%	ASTM D-1551	01/15/2014
Oxygen	10	wt%	ASTM D-1551	01/15/2014
AGGREGATE CHARACTERISTICS				
Specific Gravity	0.88		ASTM D-153	01/15/2014
NUTRIENTS				
Protein	10	wt%	ASTM D-153	01/15/2014
METALS OBSERVED				
Aluminum	100	ppm	ASTM D-153	01/15/2014
Barium	100	ppm	ASTM D-153	01/15/2014
Bismuth	100	ppm	ASTM D-153	01/15/2014
Boron	100	ppm	ASTM D-153	01/15/2014
Bromine	100	ppm	ASTM D-153	01/15/2014
Calcium	100	ppm	ASTM D-153	01/15/2014
Chlorine	100	ppm	ASTM D-153	01/15/2014
Copper	100	ppm	ASTM D-153	01/15/2014
Fluorine	100	ppm	ASTM D-153	01/15/2014
Iron	100	ppm	ASTM D-153	01/15/2014
Lead	100	ppm	ASTM D-153	01/15/2014
Lithium	100	ppm	ASTM D-153	01/15/2014
Magnesium	100	ppm	ASTM D-153	01/15/2014
Manganese	100	ppm	ASTM D-153	01/15/2014
Mercury	100	ppm	ASTM D-153	01/15/2014
Molybdenum	100	ppm	ASTM D-153	01/15/2014
Nickel	100	ppm	ASTM D-153	01/15/2014
Potassium	100	ppm	ASTM D-153	01/15/2014
Selenium	100	ppm	ASTM D-153	01/15/2014
Silver	100	ppm	ASTM D-153	01/15/2014
Sulfur	100	ppm	ASTM D-153	01/15/2014
Titanium	100	ppm	ASTM D-153	01/15/2014
Vanadium	100	ppm	ASTM D-153	01/15/2014
Zinc	100	ppm	ASTM D-153	01/15/2014
VOLATILE ORGANIC COMPOUNDS				
Acetone	100	ppm	ASTM D-153	01/15/2014
Acrylonitrile	100	ppm	ASTM D-153	01/15/2014
Benzene	100	ppm	ASTM D-153	01/15/2014
Hexamethyldisiloxane	100	ppm	ASTM D-153	01/15/2014

ASTM - American Society for Testing and Materials
ASTM - American Society for Testing and Materials

ASTM - American Society for Testing and Materials
ASTM - American Society for Testing and Materials

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-003
Client Sample ID: SIMW-3

Report Date: 07/08/04
Collection Date: 06/21/04 15:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-003
Client Sample ID: SIMW-3

Report Date: 07/08/04
Collection Date: 06/21/04 15:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Surr: 1,2-Dichloroethane-d4	90.4	%REC			70-130	SW8260B	06/30/04 15:37 / trr
Surr: Dibromofluoromethane	95.6	%REC			77-126	SW8260B	06/30/04 15:37 / trr
Surr: p-Bromofluorobenzene	92.8	%REC			76-127	SW8260B	06/30/04 15:37 / trr
Surr: Toluene-d8	96.8	%REC			79-122	SW8260B	06/30/04 15:37 / trr
SEMI-VOLATILE ORGANIC COMPOUNDS							
Chlorobenzene	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Bromobenzene	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl acetate	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl benzoate	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl bromide	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl chloride	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl cyanide	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl ether	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl fluoride	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl iodide	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl isocyanide	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl nitrate	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl sulfide	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl sulfonate	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl thioether	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
Phenyl urethane	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
PHENOLIC ORGANIC COMPOUNDS							
Phenol	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
2-Nitrophenol	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
4-Nitrophenol	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr
2,4-Dinitrophenol	ND	ug/L		0.05		SW8260B	06/30/04 15:37 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-004
Client Sample ID: SIMW-4

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	06/24/04 16:39 / klc
Conductivity	1500	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	161	mg/L		1		E300.0	06/28/04 23:19 / qed
Sulfate	152	mg/L	D	3		E300.0	06/28/04 23:19 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:15 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	39	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.63	mg/L		0.05		E353.2	06/28/04 14:58 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:59 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 06:59 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:59 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:28 / rlh
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:59 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Copper	ND	mg/L		0.01		E200.8	07/02/04 03:25 / jjw
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:28 / rlh
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:59 / jjw
Nickel	0.01	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Selenium	ND	mg/L		0.005		E200.8	07/01/04 06:59 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:59 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:59 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:59 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:28 / rlh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-004
Client Sample ID: SIMW-4

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-004
Client Sample ID: SIMW-4

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Surr: 1,2-Dichloroethane-d4	91.6	%REC			70-130	SW8260B	06/30/04 16:11 / trr
Surr: Dibromofluoromethane	96.0	%REC			77-126	SW8260B	06/30/04 16:11 / trr
Surr: p-Bromofluorobenzene	94.4	%REC			76-127	SW8260B	06/30/04 16:11 / trr
Surr: Toluene-d8	98.0	%REC			79-122	SW8260B	06/30/04 16:11 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-005
Client Sample ID: SIMW-4D

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	06/24/04 16:40 / klc
Conductivity	1490	umhos/cm		1		A2510 B	06/24/04 16:31 / klc
INORGANICS							
Chloride	164	mg/L		1		E300.0	06/29/04 12:24 / qed
Sulfate	149	mg/L		1		E300.0	06/29/04 12:24 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:17 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	39	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.64	mg/L		0.05		E353.2	06/28/04 14:59 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 07:06 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 07:06 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 07:06 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:32 / rth
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 07:06 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Copper	ND	mg/L		0.01		E200.8	07/02/04 04:01 / jjw
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:32 / rth
Lead	ND	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 07:06 / jjw
Nickel	0.01	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Selenium	ND	mg/L		0.005		E200.8	07/01/04 07:06 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 07:06 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 07:06 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 07:06 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:32 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-005
Client Sample ID: SIMW-4D

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-005
Client Sample ID: SIMW-4D

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Surr: 1,2-Dichloroethane-d4	89.6	%REC			70-130	SW8260B	06/30/04 16:45 / trr
Surr: Dibromofluoromethane	96.0	%REC			77-126	SW8260B	06/30/04 16:45 / trr
Surr: p-Bromofluorobenzene	93.2	%REC			76-127	SW8260B	06/30/04 16:45 / trr
Surr: Toluene-d8	96.4	%REC			79-122	SW8260B	06/30/04 16:45 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-006
Client Sample ID: Trip Blank

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-006
Client Sample ID: Trip Blank

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Surr: 1,2-Dichloroethane-d4	86.8	%REC			70-130	SW8260B	06/30/04 12:13 / trr
Surr: Dibromofluoromethane	93.6	%REC			77-126	SW8260B	06/30/04 12:13 / trr
Surr: p-Bromofluorobenzene	106	%REC			76-127	SW8260B	06/30/04 12:13 / trr
Surr: Toluene-d8	98.0	%REC			79-122	SW8260B	06/30/04 12:13 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43843
Sample ID: LCS	Laboratory Control Spike								06/29/04 22:58
Acetone	44.0	ug/L	20	88	62	130			
Acrylonitrile	52.0	ug/L	20	104	60	130			
Benzene	5.08	ug/L	1.0	102	71	133			
Bromochloromethane	4.36	ug/L	1.0	87.2	68	131			
Bromodichloromethane	4.52	ug/L	1.0	90.4	67	138			
Bromoform	4.60	ug/L	1.0	92	64	136			
Bromomethane	3.30	ug/L	1.0	66	60	138			
Carbon disulfide	5.80	ug/L	1.0	116	46	146			
Carbon tetrachloride	4.24	ug/L	1.0	84.8	61	144			
Chlorobenzene	5.04	ug/L	1.0	101	78	136			
Chlorodibromomethane	4.88	ug/L	1.0	97.6	72	136			
Chloroethane	5.20	ug/L	1.0	104	64	136			
Chloroform	4.68	ug/L	1.0	93.6	69	133			
Chloromethane	4.92	ug/L	1.0	98.4	63	149			
1,2-Dibromo-3-chloropropane	4.16	ug/L	1.0	83.2	63	125			
1,2-Dibromoethane	5.16	ug/L	1.0	103	75	131			
Dibromomethane	4.72	ug/L	1.0	94.4	72	133			
1,2-Dichlorobenzene	5.04	ug/L	1.0	101	78	129			
1,4-Dichlorobenzene	4.96	ug/L	1.0	99.2	78	132			
trans-1,4-Dichloro-2-butene	6.64	ug/L	1.0	133	50	142			
Dichlorodifluoromethane	4.72	ug/L	1.0	94.4	55	141			
1,1-Dichloroethane	4.80	ug/L	1.0	96	72	130			
1,2-Dichloroethane	4.48	ug/L	1.0	89.6	57	146			
1,1-Dichloroethene	5.04	ug/L	1.0	101	66	142			
cis-1,2-Dichloroethene	4.88	ug/L	1.0	97.6	74	133			
trans-1,2-Dichloroethene	5.32	ug/L	1.0	106	76	138			
1,2-Dichloropropane	5.36	ug/L	1.0	107	72	135			
cis-1,3-Dichloropropene	4.32	ug/L	1.0	86.4	75	132			
trans-1,3-Dichloropropene	4.44	ug/L	1.0	88.8	77	145			
Ethylbenzene	5.44	ug/L	1.0	109	78	131			
2-Hexanone	53.2	ug/L	20	106	72	131			
Iodomethane	6.04	ug/L	1.0	121	66	132			
Methyl ethyl ketone	44.0	ug/L	20	88	55	145			
Methyl isobutyl ketone	50.0	ug/L	20	100	73	129			
Methylene chloride	4.72	ug/L	1.0	94.4	73	126			
Styrene	5.24	ug/L	1.0	105	76	134			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.0	98.4	75	135			
1,1,2,2-Tetrachloroethane	5.44	ug/L	1.0	109	72	132			
Tetrachloroethene	4.88	ug/L	1.0	97.6	78	137			
Toluene	5.20	ug/L	1.0	104	78	134			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43843
Sample ID: LCS	Laboratory Control Spike								06/29/04 22:58
1,1,1-Trichloroethane	4.24	ug/L	1.0	84.8	64	141			
1,1,2-Trichloroethane	5.52	ug/L	1.0	110	72	133			
Trichloroethene	4.60	ug/L	1.0	92	75	138			
Trichlorofluoromethane	5.04	ug/L	1.0	101	58	139			
1,2,3-Trichloropropane	4.48	ug/L	1.0	89.6	67	133			
Vinyl acetate	4.08	ug/L	1.0	81.6	42	120			
Vinyl chloride	4.72	ug/L	1.0	94.4	66	140			
m+p-Xylenes	10.7	ug/L	1.0	107	78	133			
o-Xylene	5.00	ug/L	1.0	100	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	87.2	70	130			
Surr: Dibromofluoromethane			1.0	96	77	126			
Surr: p-Bromofluorobenzene			1.0	93.6	76	127			
Surr: Toluene-d8			1.0	103	79	122			
Sample ID: BLANK	Method Blank								06/29/04 23:32
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43843		
Sample ID: BLANK	Method Blank						06/29/04 23:32		
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	86.4	70	130			
Surr: Dibromofluoromethane			1.0	94.8	77	126			
Surr: p-Bromofluorobenzene			1.0	91.2	76	127			
Surr: Toluene-d8			1.0	98.8	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43860
Sample ID: LCS	Laboratory Control Spike								06/30/04 11:05
Acetone	40.0	ug/L	20	80	62	130			
Acrylonitrile	103	ug/L	20	103	60	130			
Benzene	5.04	ug/L	1.0	101	71	133			
Bromochloromethane	4.16	ug/L	1.0	83.2	68	131			
Bromodichloromethane	4.60	ug/L	1.0	92	67	138			
Bromoform	4.92	ug/L	1.0	98.4	64	136			
Bromomethane	3.75	ug/L	1.0	75	60	138			
Carbon disulfide	12.4	ug/L	1.0	124	46	145			
Carbon tetrachloride	4.28	ug/L	1.0	85.6	61	144			
Chlorobenzene	5.16	ug/L	1.0	103	78	136			
Chlorodibromomethane	4.92	ug/L	1.0	98.4	72	136			
Chloroethane	5.52	ug/L	1.0	110	64	136			
Chloroform	4.68	ug/L	1.0	93.6	69	133			
Chloromethane	5.64	ug/L	1.0	113	63	149			
1,2-Dibromo-3-chloropropane	4.24	ug/L	1.0	84.8	63	125			
1,2-Dibromoethane	5.24	ug/L	1.0	105	75	131			
Dibromomethane	4.56	ug/L	1.0	91.2	72	133			
1,2-Dichlorobenzene	5.20	ug/L	1.0	104	78	129			
1,4-Dichlorobenzene	5.24	ug/L	1.0	105	78	131			
trans-1,4-Dichloro-2-butene	12.2	ug/L	1.0	122	50	142			
Dichlorodifluoromethane	4.92	ug/L	1.0	98.4	55	141			
1,1-Dichloroethane	4.88	ug/L	1.0	97.6	72	130			
1,2-Dichloroethane	4.20	ug/L	1.0	84	57	146			
1,1-Dichloroethene	5.16	ug/L	1.0	103	66	142			
cis-1,2-Dichloroethene	4.92	ug/L	1.0	98.4	74	133			
trans-1,2-Dichloroethene	5.56	ug/L	1.0	111	76	138			
1,2-Dichloropropane	5.60	ug/L	1.0	112	72	135			
cis-1,3-Dichloropropene	4.60	ug/L	1.0	92	75	132			
trans-1,3-Dichloropropene	4.56	ug/L	1.0	91.2	77	145			
Ethylbenzene	5.52	ug/L	1.0	110	78	131			
2-Hexanone	47.6	ug/L	20	95.2	72	131			
Iodomethane	12.5	ug/L	1.0	125	66	132			
Methyl ethyl ketone	40.0	ug/L	20	80	55	145			
Methyl isobutyl ketone	50.8	ug/L	20	102	73	129			
Methylene chloride	4.80	ug/L	1.0	96	73	126			
Styrene	5.24	ug/L	1.0	105	76	134			
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	97.6	75	135			
1,1,2,2-Tetrachloroethane	5.76	ug/L	1.0	115	72	132			
Tetrachloroethene	5.08	ug/L	1.0	102	78	137			
Toluene	5.36	ug/L	1.0	107	78	134			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: LCS	Laboratory Control Spike							06/30/04 11:05	
1,1,1-Trichloroethane	3.94	ug/L	1.0	78.7	64	141			
1,1,2-Trichloroethane	5.16	ug/L	1.0	103	72	133			
Trichloroethene	5.08	ug/L	1.0	102	75	138			
Trichlorofluoromethane	5.08	ug/L	1.0	102	58	139			
1,2,3-Trichloropropane	4.80	ug/L	1.0	96	67	133			
Vinyl chloride	5.36	ug/L	1.0	107	66	140			
m+p-Xylenes	11.0	ug/L	1.0	110	78	133			
o-Xylene	5.12	ug/L	1.0	102	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	85.2	70	130			
Surr: Dibromofluoromethane			1.0	94.4	77	126			
Surr: p-Bromofluorobenzene			1.0	95.6	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: BLANK	Method Blank							06/30/04 11:39	
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: BLANK	Method Blank							06/30/04 11:39	
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	85.6	70	130			
Surr: Dibromofluoromethane			1.0	92.4	77	126			
Surr: p-Bromofluorobenzene			1.0	90.8	76	127			
Surr: Toluene-d8			1.0	99.2	79	122			
Sample ID: B04061901-001EMS	Sample Matrix Spike							07/01/04 15:17	
Acetone	41.6	ug/L	20	83.2	62	130			
Acrylonitrile	52.0	ug/L	20	104	60	130			
Benzene	5.20	ug/L	1.0	104	71	133			
Bromochloromethane	4.28	ug/L	1.0	85.6	68	131			
Bromodichloromethane	4.84	ug/L	1.0	96.8	67	138			
Bromoform	4.96	ug/L	1.0	99.2	64	136			
Bromomethane	3.32	ug/L	1.0	66.4	60	138			
Carbon disulfide	5.92	ug/L	1.0	118	46	145			
Carbon tetrachloride	4.44	ug/L	1.0	88.8	61	144			
Chlorobenzene	5.24	ug/L	1.0	105	78	136			
Chlorodibromomethane	5.16	ug/L	1.0	103	72	136			
Chloroethane	4.96	ug/L	1.0	99.2	64	136			
Chloroform	4.92	ug/L	1.0	98.4	69	133			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: B04061901-001EMS	Sample Matrix Spike						07/01/04 15:17		
Chloromethane	5.24	ug/L	1.0	105	63	149			
1,2-Dibromo-3-chloropropane	4.72	ug/L	1.0	94.4	63	125			
1,2-Dibromoethane	5.36	ug/L	1.0	107	75	131			
Dibromomethane	4.80	ug/L	1.0	96	72	133			
1,2-Dichlorobenzene	5.28	ug/L	1.0	106	78	129			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	78	131			
trans-1,4-Dichloro-2-butene	4.52	ug/L	1.0	90.4	50	142			
Dichlorodifluoromethane	4.68	ug/L	1.0	93.6	55	141			
1,1-Dichloroethane	4.96	ug/L	1.0	99.2	72	130			
1,2-Dichloroethane	4.72	ug/L	1.0	94.4	57	146			
1,1-Dichloroethene	5.16	ug/L	1.0	103	66	142			
cis-1,2-Dichloroethene	5.04	ug/L	1.0	101	74	133			
trans-1,2-Dichloroethene	5.36	ug/L	1.0	107	76	138			
1,2-Dichloropropane	5.64	ug/L	1.0	113	72	135			
cis-1,3-Dichloropropene	4.04	ug/L	1.0	80.8	75	132			
trans-1,3-Dichloropropene	4.72	ug/L	1.0	94.4	77	145			
Ethylbenzene	5.36	ug/L	1.0	107	78	131			
2-Hexanone	52.0	ug/L	20	104	72	131			
Iodomethane	6.04	ug/L	1.0	121	66	132			
Methyl ethyl ketone	42.8	ug/L	20	85.6	55	145			
Methyl isobutyl ketone	46.8	ug/L	20	93.6	73	129			
Methylene chloride	5.24	ug/L	1.0	105	73	126			
Styrene	5.32	ug/L	1.0	106	76	134			
1,1,1,2-Tetrachloroethane	5.20	ug/L	1.0	104	75	135			
1,1,2,2-Tetrachloroethane	5.96	ug/L	1.0	119	72	132			
Tetrachloroethene	5.16	ug/L	1.0	103	78	137			
Toluene	5.36	ug/L	1.0	107	78	134			
1,1,1-Trichloroethane	4.32	ug/L	1.0	86.4	64	141			
1,1,2-Trichloroethane	5.92	ug/L	1.0	118	72	133			
Trichloroethene	5.20	ug/L	1.0	104	75	138			
Trichlorofluoromethane	5.24	ug/L	1.0	105	58	139			
1,2,3-Trichloropropane	5.24	ug/L	1.0	105	67	133			
Vinyl acetate	4.00	ug/L	1.0	80	31	124			
Vinyl chloride	4.88	ug/L	1.0	97.6	66	140			
m+p-Xylenes	10.3	ug/L	1.0	103	78	133			
o-Xylene	5.20	ug/L	1.0	104	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	92.4	70	130			
Surr: Dibromofluoromethane			1.0	99.2	77	126			
Surr: p-Bromofluorobenzene			1.0	97.6	76	127			
Surr: Toluene-d8			1.0	104	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43860
Sample ID: B04061901-001EMSD	Sample Matrix Spike Duplicate								07/01/04 15:51
Acetone	38.8	ug/L	20	77.7	62	130	6.9	20	
Acrylonitrile	51.2	ug/L	20	102	60	130	1.6	20	
Benzene	5.24	ug/L	1.0	105	71	133	0.8	20	
Bromochloromethane	4.36	ug/L	1.0	87.2	68	131	1.9	20	
Bromodichloromethane	4.80	ug/L	1.0	96	67	138	0.8	20	
Bromoform	4.64	ug/L	1.0	92.8	64	136	6.7	20	
Bromomethane	3.58	ug/L	1.0	71.7	60	138	7.6	20	
Carbon disulfide	5.88	ug/L	1.0	118	46	145	0.7	20	
Carbon tetrachloride	4.40	ug/L	1.0	88	61	144	0.9	20	
Chlorobenzene	5.12	ug/L	1.0	102	78	136	2.3	20	
Chlorodibromomethane	5.12	ug/L	1.0	102	72	136	0.8	20	
Chloroethane	5.32	ug/L	1.0	106	64	136	7.0	20	
Chloroform	4.84	ug/L	1.0	96.8	69	133	1.6	20	
Chloromethane	5.08	ug/L	1.0	102	63	149	3.1	20	
1,2-Dibromo-3-chloropropane	4.40	ug/L	1.0	88	63	125	7.0	20	
1,2-Dibromoethane	5.28	ug/L	1.0	106	75	131	1.5	20	
Dibromomethane	4.92	ug/L	1.0	98.4	72	133	2.5	20	
1,2-Dichlorobenzene	5.16	ug/L	1.0	103	78	129	2.3	20	
1,4-Dichlorobenzene	5.08	ug/L	1.0	102	78	131	2.3	20	
trans-1,4-Dichloro-2-butene	4.72	ug/L	1.0	94.4	50	142	4.3	20	
Dichlorodifluoromethane	4.76	ug/L	1.0	95.2	55	141	1.7	20	
1,1-Dichloroethane	5.04	ug/L	1.0	101	72	130	1.6	20	
1,2-Dichloroethane	4.56	ug/L	1.0	91.2	57	146	3.4	20	
1,1-Dichloroethene	5.20	ug/L	1.0	104	66	142	0.8	20	
cis-1,2-Dichloroethene	5.04	ug/L	1.0	101	74	133	0	20	
trans-1,2-Dichloroethene	5.40	ug/L	1.0	108	76	138	0.7	20	
1,2-Dichloropropane	5.60	ug/L	1.0	112	72	135	0.7	20	
cis-1,3-Dichloropropene	4.04	ug/L	1.0	80.8	75	132	0	20	
trans-1,3-Dichloropropene	4.76	ug/L	1.0	95.2	77	145	0.8	20	
Ethylbenzene	5.44	ug/L	1.0	109	78	131	1.5	20	
2-Hexanone	50.8	ug/L	20	102	72	131	2.3	20	
Iodomethane	6.04	ug/L	1.0	121	66	132	0	20	
Methyl ethyl ketone	42.4	ug/L	20	84.8	55	145	0.9	20	
Methyl isobutyl ketone	47.6	ug/L	20	95.2	73	129	1.7	20	
Methylene chloride	5.20	ug/L	1.0	104	73	126	0.8	20	
Styrene	5.24	ug/L	1.0	105	76	134	1.5	20	
1,1,1,2-Tetrachloroethane	5.20	ug/L	1.0	104	75	135	0	20	
1,1,1,2,2-Tetrachloroethane	5.76	ug/L	1.0	115	72	132	3.4	20	
Tetrachloroethene	5.24	ug/L	1.0	105	78	137	1.5	20	
Toluene	5.40	ug/L	1.0	108	78	134	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43860
Sample ID: B04061901-001EMSD Sample Matrix Spike Duplicate									07/01/04 15:51
1,1,1-Trichloroethane	4.52	ug/L	1.0	90.4	64	141	4.5	20	
1,1,2-Trichloroethane	5.68	ug/L	1.0	114	72	133	4.1	20	
Trichloroethene	4.92	ug/L	1.0	98.4	75	138	5.5	20	
Trichlorofluoromethane	5.36	ug/L	1.0	107	58	139	2.3	20	
1,2,3-Trichloropropane	4.64	ug/L	1.0	92.8	67	133	12	20	
Vinyl acetate	3.86	ug/L	1.0	77.3	31	124	3.5	20	
Vinyl chloride	5.00	ug/L	1.0	100	66	140	2.4	20	
m+p-Xylenes	10.6	ug/L	1.0	106	78	133	3.1	20	
o-Xylene	5.16	ug/L	1.0	103	79	136	0.8	20	
Surr: 1,2-Dichloroethane-d4			1.0	90	70	130			
Surr: Dibromofluoromethane			1.0	96	77	126			
Surr: p-Bromofluorobenzene			1.0	94.4	76	127			
Surr: Toluene-d8			1.0	104	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

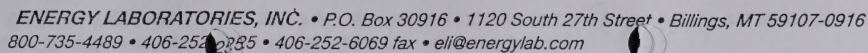
Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Batch: PHSC040624A		
Sample ID: PHC10520	Laboratory Control Spike								06/24/04 08:32
Conductivity	150	umhos/cm	1.0	99.4	90	110			
Sample ID: PHC10518	Laboratory Control Spike								06/24/04 08:33
Conductivity	4870	umhos/cm	1.0	97.4	90	110			
Sample ID: DIH2O	Method Blank								06/24/04 08:39
Conductivity	ND	umhos/cm	1.0						
Sample ID: B04061835-006A	Sample Duplicate								06/24/04 10:32
Conductivity	624	umhos/cm	1.0				1.5	10	
Sample ID: B04061864-008A	Sample Duplicate								06/24/04 11:59
Conductivity	1110	umhos/cm	1.0				1.8	10	
Sample ID: B04061870-006B	Sample Duplicate								06/24/04 12:18
Conductivity	4070	umhos/cm	1.0				8.2	10	
Sample ID: B04061900-002A	Sample Duplicate								06/24/04 15:55
Conductivity	1800	umhos/cm	1.0				1.1	10	
Sample ID: B04061906-001B	Sample Duplicate								06/24/04 16:33
Conductivity	3280	umhos/cm	1.0				0.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Report Date: 07/02/04
Work Order: B04061901

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc. Landfill

Report Date: 07/02/04

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R43930
Sample ID: MB-TJADIS040630A	Method Blank								06/30/04 10:14
Beryllium	ND	mg/L	0.010						
Copper	ND	mg/L	0.010						
Iron	ND	mg/L	0.030						
Zinc	ND	mg/L	0.010						
Sample ID: B04061899-001BMS2	Sample Matrix Spike								06/30/04 11:04
Beryllium	2.59	mg/L	0.0010	103	69.5	130.5			
Copper	4.91	mg/L	0.041	98.1	69.5	130.5			
Iron	24.6	mg/L	0.030	97.9	69.5	130.5			
Zinc	5.33	mg/L	0.010	100	69.5	130.5			
Sample ID: B04061899-001BMSD2	Sample Matrix Spike Duplicate								06/30/04 11:08
Beryllium	2.59	mg/L	0.0010	104	69.5	130.5	0.2	20	
Copper	4.93	mg/L	0.041	98.6	69.5	130.5	0.5	20	
Iron	24.6	mg/L	0.030	98	69.5	130.5	0.1	20	
Zinc	5.35	mg/L	0.010	101	69.5	130.5	0.4	20	
Sample ID: B04061900-005BMS2	Sample Matrix Spike								06/30/04 12:07
Beryllium	1.07	mg/L	0.0010	107	69.5	130.5			
Copper	2.06	mg/L	0.016	103	69.5	130.5			
Iron	11.6	mg/L	0.030	107	69.5	130.5			
Zinc	2.22	mg/L	0.010	110	69.5	130.5			
Sample ID: B04061900-005BMSD2	Sample Matrix Spike Duplicate								06/30/04 12:11
Beryllium	1.06	mg/L	0.0010	106	69.5	130.5	1.5	20	
Copper	2.01	mg/L	0.016	101	69.5	130.5	2.2	20	
Iron	11.2	mg/L	0.030	103	69.5	130.5	3.7	20	
Zinc	2.13	mg/L	0.010	106	69.5	130.5	4.2	20	
Sample ID: B04061920-001BMS2	Sample Matrix Spike								06/30/04 13:06
Beryllium	1.06	mg/L	0.0010	106	69.5	130.5			
Copper	2.03	mg/L	0.016	102	69.5	130.5			
Iron	11.0	mg/L	0.030	110	69.5	130.5			
Zinc	2.30	mg/L	0.010	113	69.5	130.5			
Sample ID: B04061920-001BMSD2	Sample Matrix Spike Duplicate								06/30/04 13:10
Beryllium	1.06	mg/L	0.0010	106	69.5	130.5	0.4	20	
Copper	2.04	mg/L	0.016	102	69.5	130.5	0.3	20	
Iron	12.5	mg/L	0.030	125	69.5	130.5	12	20	
Zinc	2.61	mg/L	0.010	129	69.5	130.5	13	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc. Landfill

Report Date: 07/02/04

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R43910
Sample ID: LRB	Method Blank								06/30/04 15:54
Antimony	ND	mg/L	0.050						
Arsenic	ND	mg/L	0.0050						
Barium	ND	mg/L	0.10						
Cadmium	ND	mg/L	0.0010						
Chromium	ND	mg/L	0.010						
Cobalt	ND	mg/L	0.010						
Lead	ND	mg/L	0.010						
Mercury	ND	mg/L	0.0010						
Nickel	ND	mg/L	0.010						
Selenium	ND	mg/L	0.0050						
Silver	ND	mg/L	0.0050						
Thallium	ND	mg/L	0.10						
Vanadium	ND	mg/L	0.10						
Sample ID: B04061794-001FMS	Sample Matrix Spike								06/30/04 17:46
Antimony	0.0509	mg/L	0.0030	102	70	130			
Arsenic	0.0525	mg/L	0.0050	104	70	130			
Chromium	0.0493	mg/L	0.010	97.8	70	130			
Barium	0.117	mg/L	0.10	100	70	130			
Cadmium	0.0507	mg/L	0.0010	101	70	130			
Cobalt	0.0490	mg/L	0.010	97.9	70	130			
Lead	0.0502	mg/L	0.0010	100	70	130			
Mercury	0.000970	mg/L	0.00020	97	70	130			
Nickel	0.0485	mg/L	0.010	96	70	130			
Selenium	0.0526	mg/L	0.0050	104	70	130			
Silver	0.0165	mg/L	0.0050	82.3	70	130			
Thallium	0.0505	mg/L	0.0010	101	70	130			
Vanadium	0.0502	mg/L	0.10	99.3	70	130			
Sample ID: B04061794-001FMSD	Sample Matrix Spike Duplicate								06/30/04 17:53
Antimony	0.0501	mg/L	0.0030	100	70	130	1.6	20	
Arsenic	0.0515	mg/L	0.0050	103	70	130	1.8	20	
Chromium	0.0493	mg/L	0.010	97.9	70	130	0.1	20	
Barium	0.115	mg/L	0.10	96.9	70	130	1.5	20	
Cadmium	0.0498	mg/L	0.0010	99.5	70	130	1.9	20	
Cobalt	0.0490	mg/L	0.010	97.8	70	130	0	20	
Lead	0.0498	mg/L	0.0010	99.4	70	130	0.8	20	
Mercury	0.00103	mg/L	0.00020	103	70	130	6.3	20	
Nickel	0.0485	mg/L	0.010	96.1	70	130	0.1	20	
Selenium	0.0524	mg/L	0.0050	104	70	130	0.4	20	
Silver	0.0173	mg/L	0.0050	86.6	70	130	5.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 07/02/04

Project: Sanitation Inc. Landfill

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R43910
Sample ID: B04061794-001FMSD	Sample Matrix Spike Duplicate								06/30/04 17:53
Thallium	0.0503	mg/L	0.0010	101	70	130	0.3	20	
Vanadium	0.0502	mg/L	0.10	99.2	70	130	0	20	
Sample ID: B04061864-007BMS	Sample Matrix Spike								06/30/04 19:38
Antimony	0.0511	mg/L	0.0050	102	70	130			
Arsenic	0.0559	mg/L	0.0050	108	70	130			
Barium	0.183	mg/L	0.10	95	70	130			
Cadmium	0.0488	mg/L	0.0010	97.5	70	130			
Chromium	0.0538	mg/L	0.010	101	70	130			
Cobalt	0.0548	mg/L	0.010	98.9	70	130			
Lead	0.0509	mg/L	0.010	102	70	130			
Mercury	0.00100	mg/L	0.0010	100	70	130			
Nickel	0.0500	mg/L	0.010	96.4	70	130			
Selenium	0.0566	mg/L	0.0050	111	70	130			
Silver	0.0150	mg/L	0.0050	74.8	70	130			
Thallium	0.0519	mg/L	0.0050	103	70	130			
Vanadium	0.0522	mg/L	0.10	102	70	130			
Sample ID: B04061864-007BMSD	Sample Matrix Spike Duplicate								06/30/04 19:45
Antimony	0.0521	mg/L	0.0050	104	70	130	2.0	20	
Arsenic	0.0554	mg/L	0.0050	107	70	130	0.9	20	
Barium	0.183	mg/L	0.10	94.4	70	130	0.2	20	
Cadmium	0.0488	mg/L	0.0010	97.6	70	130	0.2	20	
Chromium	0.0542	mg/L	0.010	101	70	130	0.7	20	
Cobalt	0.0549	mg/L	0.010	99.1	70	130	0.2	20	
Lead	0.0512	mg/L	0.010	102	70	130	0.4	20	
Mercury	0.00109	mg/L	0.0010	109	70	130	8.4	20	
Nickel	0.0504	mg/L	0.010	97.2	70	130	0.8	20	
Selenium	0.0544	mg/L	0.0050	106	70	130	3.9	20	
Silver	0.0201	mg/L	0.0050	100	70	130	29	20	R
Thallium	0.0528	mg/L	0.0050	104	70	130	1.7	20	
Vanadium	0.0526	mg/L	0.10	103	70	130	0	20	
Sample ID: B04061873-001AMS	Sample Matrix Spike								07/01/04 01:23
Antimony	0.0515	mg/L	0.0030	103	70	130			
Arsenic	0.0542	mg/L	0.0050	106	70	130			
Chromium	0.0510	mg/L	0.010	102	70	130			
Barium	0.250	mg/L	0.10	94.4	70	130			A
Cadmium	0.0498	mg/L	0.0010	99.6	70	130			
Cobalt	0.0499	mg/L	0.010	99.7	70	130			
Lead	0.0506	mg/L	0.0010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc. Landfill

Report Date: 07/02/04

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R43910		
Sample ID: B04061873-001AMS	Sample Matrix Spike							07/01/04 01:23	
Mercury	0.000990	mg/L	0.00020	99	70	130			
Nickel	0.0495	mg/L	0.010	98.9	70	130			
Selenium	0.0536	mg/L	0.0050	107	70	130			
Silver	0.0157	mg/L	0.0050	78.6	70	130			
Thallium	0.0508	mg/L	0.0010	102	70	130			
Vanadium	0.0514	mg/L	0.10	103	70	130			
Sample ID: B04061873-001AMS	Sample Matrix Spike Duplicate							07/01/04 01:30	
Antimony	0.0526	mg/L	0.0030	105	70	130	1.9	20	
Arsenic	0.0554	mg/L	0.0050	109	70	130	2.2	20	
Chromium	0.0530	mg/L	0.010	106	70	130	3.9	20	
Barium	0.253	mg/L	0.10	101	70	130	1.3	20	A
Cadmium	0.0512	mg/L	0.0010	102	70	130	2.7	20	
Cobalt	0.0512	mg/L	0.010	102	70	130	2.7	20	
Lead	0.0522	mg/L	0.0010	104	70	130	3.1	20	
Mercury	0.00106	mg/L	0.00020	106	70	130	6.5	20	
Nickel	0.0510	mg/L	0.010	102	70	130	3.1	20	
Selenium	0.0545	mg/L	0.0050	109	70	130	1.8	20	
Silver	0.0160	mg/L	0.0050	80	70	130	1.8	20	
Thallium	0.0522	mg/L	0.0010	104	70	130	2.7	20	
Vanadium	0.0524	mg/L	0.10	105	70	130	0	20	
Sample ID: B04061899-006BMS	Sample Matrix Spike							07/01/04 05:14	
Antimony	0.0504	mg/L	0.0050	101	70	130			
Arsenic	0.0472	mg/L	0.0050	94.4	70	130			
Barium	0.0837	mg/L	0.10	103	70	130			
Cadmium	0.0458	mg/L	0.0010	91.2	70	130			
Chromium	0.0516	mg/L	0.010	99.5	70	130			
Cobalt	0.0486	mg/L	0.010	96.4	70	130			
Lead	0.0532	mg/L	0.010	105	70	130			
Mercury	0.00103	mg/L	0.0010	103	70	130			
Nickel	0.0488	mg/L	0.010	90.5	70	130			
Selenium	0.0489	mg/L	0.0050	97.8	70	130			
Silver	0.0127	mg/L	0.0050	63.4	70	130			S
Thallium	0.0520	mg/L	0.0050	104	70	130			
Vanadium	0.0530	mg/L	0.10	104	70	130			
Sample ID: B04061899-006BMS	Sample Matrix Spike Duplicate							07/01/04 05:21	
Antimony	0.0518	mg/L	0.0050	103	70	130	2.6	20	
Arsenic	0.0476	mg/L	0.0050	95.2	70	130	0.8	20	
Barium	0.0846	mg/L	0.10	105	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R43910
Sample ID: B04061899-006BMSD	Sample Matrix Spike Duplicate								07/01/04 05:21
Cadmium	0.0474	mg/L	0.0010	94.2	70	130	3.3	20	
Chromium	0.0536	mg/L	0.010	104	70	130	3.8	20	
Cobalt	0.0507	mg/L	0.010	101	70	130	4.3	20	
Lead	0.0548	mg/L	0.010	108	70	130	3.0	20	
Mercury	0.00111	mg/L	0.0010	111	70	130	7.4	20	
Nickel	0.0510	mg/L	0.010	94.9	70	130	4.5	20	
Selenium	0.0482	mg/L	0.0050	96.3	70	130	1.5	20	
Silver	0.0138	mg/L	0.0050	69.2	70	130	8.7	20	S
Thallium	0.0542	mg/L	0.0050	108	70	130	4.0	20	
Vanadium	0.0556	mg/L	0.10	109	70	130	0	20	
Sample ID: LRB	Method Blank								07/01/04 09:27
Antimony	ND	mg/L	0.050						
Arsenic	ND	mg/L	0.0050						
Barium	ND	mg/L	0.10						
Cadmium	ND	mg/L	0.0010						
Chromium	ND	mg/L	0.010						
Cobalt	ND	mg/L	0.010						
Lead	ND	mg/L	0.010						
Mercury	ND	mg/L	0.0010						
Nickel	ND	mg/L	0.010						
Selenium	ND	mg/L	0.0050						
Silver	ND	mg/L	0.0050						
Thallium	ND	mg/L	0.10						
Vanadium	ND	mg/L	0.10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R43990		
Sample ID: B04062145-001CMS	Sample Matrix Spike							07/01/04 22:52	
Arsenic	0.0532	mg/L	0.0050	105	70	130			
Copper	0.0511	mg/L	0.010	97.9	70	130			
Selenium	0.0561	mg/L	0.0050	103	70	130			
Sample ID: B04062145-001CMSD	Sample Matrix Spike Duplicate							07/01/04 23:27	
Arsenic	0.0528	mg/L	0.0050	105	70	130	0.6	20	
Copper	0.0510	mg/L	0.010	97.8	70	130	0.1	20	
Selenium	0.0562	mg/L	0.0050	103	70	130	0.2	20	
Sample ID: B04061939-001BMS	Sample Matrix Spike							07/02/04 05:32	
Arsenic	0.0529	mg/L	0.0050	105	70	130			
Copper	0.0513	mg/L	0.010	102	70	130			
Selenium	0.0535	mg/L	0.0050	105	70	130			
Sample ID: B04061939-001BMSD	Sample Matrix Spike Duplicate							07/02/04 05:39	
Arsenic	0.0507	mg/L	0.0050	100	70	130	4.2	20	
Copper	0.0504	mg/L	0.010	99.6	70	130	1.9	20	
Selenium	0.0521	mg/L	0.0050	103	70	130	2.6	20	
Sample ID: LRB	Method Blank							07/02/04 09:38	
Arsenic	ND	mg/L	0.0050						
Copper	ND	mg/L	0.010						
Selenium	ND	mg/L	0.0050						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R43748
Sample ID: ICB	Method Blank								06/28/04 12:51
Chloride	ND	mg/L	1.0						
Sulfate	ND	mg/L	1.0						
Sample ID: B04061816-007A MS	Sample Matrix Spike								06/28/04 14:01
Chloride	112	mg/L	1.0	97.5	80	120			
Sulfate	418	mg/L	2.7	102	80	120			
Sample ID: B04061816-007A MSD	Sample Matrix Spike Duplicate								06/28/04 14:12
Chloride	112	mg/L	1.0	97.5	80	120	0	20	
Sulfate	428	mg/L	2.7	105	80	120	2.4	20	
Sample ID: B04061864-010A MS	Sample Matrix Spike								06/28/04 16:43
Chloride	110	mg/L	1.0	106	80	120			
Sulfate	1100	mg/L	2.7	111	80	120			
Sample ID: B04061864-010A MSD	Sample Matrix Spike Duplicate								06/28/04 16:55
Chloride	109	mg/L	1.0	105	80	120	0.6	20	
Sulfate	1090	mg/L	2.7	109	80	120	0.7	20	
Sample ID: B04061899-002A MS	Sample Matrix Spike								06/28/04 19:26
Chloride	539	mg/L	1.6	105	80	120			
Sulfate	4580	mg/L	14	103	80	120			
Sample ID: B04061899-002A MSD	Sample Matrix Spike Duplicate								06/28/04 19:38
Chloride	540	mg/L	1.6	105	80	120	0.2	20	
Sulfate	4590	mg/L	14	103	80	120	0.3	20	
Sample ID: B04061901-001A MS	Sample Matrix Spike								06/28/04 22:32
Chloride	45.8	mg/L	1.0	109	80	120			
Sulfate	166	mg/L	1.0	109	80	120			
Sample ID: B04061901-001A MSD	Sample Matrix Spike Duplicate								06/28/04 22:44
Chloride	45.9	mg/L	1.0	109	80	120	0.3	20	
Sulfate	166	mg/L	1.0	109	80	120	0	20	
Sample ID: B04061936-001A MS	Sample Matrix Spike								06/29/04 01:15
Chloride	10.7	mg/L	1.0	107	80	120			
Sulfate	42.1	mg/L	1.0	105	80	120			
Sample ID: B04061936-001A MSD	Sample Matrix Spike Duplicate								06/29/04 01:26
Chloride	10.6	mg/L	1.0	106	80	120	1.1	20	
Sulfate	41.9	mg/L	1.0	105	80	120	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc. Landfill

Report Date: 07/02/04

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R43838
Sample ID: B04062055-002A MS	Sample Matrix Spike								06/30/04 02:44
Chloride	114	mg/L	1.0	106	80	120			
Sulfate	1070	mg/L	2.7	105	80	120			
Sample ID: B04062055-002A MSD	Sample Matrix Spike Duplicate								06/30/04 02:55
Chloride	113	mg/L	1.0	105	80	120	0.5	20	
Sulfate	1060	mg/L	2.7	104	80	120	0.6	20	
Method: E335.4									Batch: A2004-06-25_4_CN_01
Sample ID: B04061899-004DMS	Sample Matrix Spike								06/25/04 11:41
Cyanide, Total Manual Distillation	0.101	mg/L	0.0050	101	90	110			
Sample ID: B04061899-004DMSD	Sample Matrix Spike Duplicate								06/25/04 11:42
Cyanide, Total Manual Distillation	0.0971	mg/L	0.0050	97.1	90	110	3.4	10	
Sample ID: B04061901-003DMS	Sample Matrix Spike								06/25/04 12:10
Cyanide, Total Manual Distillation	0.104	mg/L	0.0050	104	90	110			
Sample ID: B04061901-003DMSD	Sample Matrix Spike Duplicate								06/25/04 12:12
Cyanide, Total Manual Distillation	0.107	mg/L	0.0050	107	90	110	2.8	10	
Sample ID: MBLK	Method Blank								06/25/04 11:04
Cyanide, Total Manual Distillation	ND	mg/L	0.0050						
Method: E353.2									Batch: 04062802-NN2
Sample ID: B04061787-001C MS	Sample Matrix Spike								06/28/04 14:34
Nitrogen, Nitrate+Nitrite as N	1.59	mg/L	0.050	97.2	90	110			
Sample ID: B04061787-001C MSD	Sample Matrix Spike Duplicate								06/28/04 14:35
Nitrogen, Nitrate+Nitrite as N	1.58	mg/L	0.050	96.1	90	110	0.7	10	
Sample ID: B04061755-001C MS	Sample Matrix Spike								06/28/04 14:54
Nitrogen, Nitrate+Nitrite as N	1.21	mg/L	0.050	102	90	110			
Sample ID: B04061755-001C MSD	Sample Matrix Spike Duplicate								06/28/04 14:55
Nitrogen, Nitrate+Nitrite as N	1.20	mg/L	0.050	101	90	110	0.7	10	
Sample ID: B04061873-008B MS	Sample Matrix Spike								06/28/04 15:04
Nitrogen, Nitrate+Nitrite as N	1.79	mg/L	0.050	98.1	90	110			
Sample ID: B04061873-008B MSD	Sample Matrix Spike Duplicate								06/28/04 15:05
Nitrogen, Nitrate+Nitrite as N	1.78	mg/L	0.050	97	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc. Landfill

Report Date: 07/02/04

Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R43940
Sample ID: MB-R43940	Method Blank								06/30/04 09:00
Oxygen Demand, Chemical (COD)	ND	mg/L	1.0						
Sample ID: LCS-R43940	Laboratory Control Spike								06/30/04 09:00
Oxygen Demand, Chemical (COD)	46.5	mg/L	1.0	95.7	90	110			
Sample ID: B04061901-001CMS	Sample Matrix Spike								06/30/04 09:00
Oxygen Demand, Chemical (COD)	26.3	mg/L	1.0	95.5	90	110			
Sample ID: B04061901-001CMSD	Sample Matrix Spike Duplicate								06/30/04 09:00
Oxygen Demand, Chemical (COD)	27.6	mg/L	1.0	101	90	110	4.8	10	
Sample ID: B04061950-001BMS	Sample Matrix Spike								06/30/04 09:00
Oxygen Demand, Chemical (COD)	25.2	mg/L	1.0	103	90	110			
Sample ID: B04061950-001BMSD	Sample Matrix Spike Duplicate								06/30/04 09:00
Oxygen Demand, Chemical (COD)	25.0	mg/L	1.0	102	90	110	0.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Sample Receipt Checklist

Client Name Sanitation Inc.

Date and Time Received: 6/24/2004

Work Order Number B04061901

Received by rin

Checklist completed by:

Signature

Date

Reviewed by

Initials

Date

Carrier name UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4 °C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____

Checked by rin

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <i>BARRY DAMSCHAN CONSULTING</i>			Project Name, PWS #, Permit #, Etc.: <i>SANITATION FAC. LANDFILL</i>													
Report Mail Address: <i>553 YORK ROAD HELEN, MT 59602</i>			Contact Name, Phone, Fax, E-mail: <i>BARRY DAMSCHAN 461-5003</i>					Sampler Name if other than Contact:								
Invoice Address: <i>Bill Spjue SANITATION, INC PO Box 882 LAWISTON, MT 59457</i>			Invoice Contact & Phone #: <i>Bill Spjue 538-8767</i>					Purchase Order #:		ELI Quote #:						
Report Required For: POTW/WWTP ☐ DW ☐ Other <i>MT DEP Solid Waste</i>			ANALYSIS REQUESTED													
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			Number of Containers Sample Type: A W S V B O Air Water Solids/Solids Vegetation Bioassay Other <i>MT Solid Waste Task 1 not solid waste not bioassay</i>	SEE ATTACHED Normal Turnaround (TAT) RUSH Turnaround (TAT)	Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments:					Receipt Temp <i>4.2</i> °C		Cooler ID(s)				
Custody Seal ☒ Y ☐ N		Intact ☒ Y ☐ N														
Signature ☒ Y ☐ N		Match														
Lab ID																
LABORATORY USE ONLY																
LABORATORY USE ONLY																
LABORATORY USE ONLY																
LABORATORY USE ONLY																
LABORATORY USE ONLY																
LABORATORY USE ONLY																
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)			Collection Date	Collection Time	MATRIX											
1 <i>SMW-1</i>			<i>6-21-04</i>	<i>1245</i>	<i>6W</i>	<i>X</i>										
2 <i>SMW-2</i>			<i>6-21-04</i>	<i>1400</i>	<i>6W</i>	<i>X</i>										
3 <i>SMW-3</i>			<i>6-21-04</i>	<i>1500</i>	<i>6W</i>	<i>X</i>										
4 <i>SMW-4</i>			<i>6-21-04</i>	<i>1600</i>	<i>6W</i>	<i>X</i>										
5 <i>SMW-4D</i>			<i>6-21-04</i>	<i>1600</i>	<i>6W</i>	<i>X</i>										
6 <i>Trip Blank</i>			<i>6-21-04</i>		<i>1W</i>	<i>X</i>										
7																
8																
9																
10																
Custody Record MUST be Signed			Relinquished by: <i>BARRY DAMSCHAN</i> <i>6-22-04 2:30</i>			Date/Time:			Shipped by: <i>LRS</i>			Date/Time:				
			Relinquished by:			Date/Time:			Shipped by: <i>W's ARS Ground</i>			Date/Time:				
			Received by: <i>Steve Foyde</i> <i>6/22/04 2:30</i>			Date/Time:			Received by: <i>Handel/Lees</i> <i>06/24/04 @ 0900</i>			Date/Time:				
LABORATORY USE ONLY			Sample Disposal: Return to client: _____ Lab Disposal: <i>X</i>						Sample Type: _____ # of fractions _____							

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

BILLINGS, MT
1120 South 27th (59101)
PO Box 30916 (59107)

Toll Free 800.735.4489
Voice 406.252.6325
Fax 406.252.6069

GILLETTE, WY
1105 West First Street (82716)

Toll Free 866.686.7175
Voice 307.686.7175
Fax 307.682.4625

CASPER, WY
2393 Salt Creek Highway (82601)
PO Box 3258 (82602)

Toll Free 888.235.0515
Voice 307.235.0515
Fax 307.234.1639

HELENA, MT
3161 E Lyndale Ave (59601)
PO Box 5688 (59604)

Toll Free 877.472.0711
Voice 406.442.0711
Fax 406.442.0712

COLLEGE STATION, TX
415 Graham Road (77845)

Toll Free 888.690.2218
Voice 979.690.2217
Fax 979.690.2045

RAPID CITY, SD
2821 Plant Street (57702)

Toll Free 888.672.1225
Voice 605.342.1225
Fax 605.342.1397

1. Please complete the Chain of Custody with as much detailed information as possible. This information is required so that the appropriate analytical services, reporting and invoicing can be provided for your project.

2. If services other than standard are required for your analytical project, contact ELI *PRIOR* to sample submittal. Additional charges will be applied for the following services: RUSH TAT, NELAC, A2LA, or Level IV reporting, EDD/EDT, etc.

3. ELI provides quotes for project specific sampling requirements that may include, but are not limited to, non-standard reporting limits, odd matrices, RUSH TAT and specific method requests. It is very important to provide the ELI quote number to assure that you receive the quoted pricing for your project.

4. Basic Aqueous Sampling Instructions: Analytical services include preserved and unpreserved sample bottles, preservatives, and shipping containers at no additional cost. In certain cases, additional charges will be made for special sampling containers (i.e. Tedlar or equivalent bags, 3M or equivalent passive monitors). Preservatives are contained in small vials with color-coded caps and labels that correspond to the table below.

Preservative	Cap Color	Label Color
Hydrochloric Acid	Blue	Blue
Nitric Acid	Red	Fluorescent Red
Non-Preserved (raw)	None	White w/Red Print
Phosphoric Acid	White	White w/Black Print
Sodium Hydroxide	Green	Fluorescent Green w/ Black Print
Sulfuric Acid	Yellow	Fluorescent Yellow
Zinc Acetate	Purple	Fluorescent Green w/ Black Print

Fill container with sample and empty contents of preservative vial into container or as instructed. If sample containers are pre-preserved, DO NOT FLUSH or RINSE PRESERVATIVE. Secure lid and invert slowly to mix.

If you are uncertain of the preservative or preparation required for your sampling project, please contact an ELI representative for instructions.

Proper cooling for specific sample matrices is required. ELI provides resealable bags for crushed ice to be packed around the sample(s). Blue ice or equivalent does not maintain the required 4°C temperature. Samples should be securely packed in the shipping containers provided.

5. Sample Disposal: ELI, when applicable, will dispose of all non-hazardous samples. Routinely, hazardous samples will be returned to client. If requested, ELI will dispose of hazardous samples at client's expense.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: ABC Corporation		Project Name, PWS #, Permit #, Etc.: Rockport Reclamation Project	
Report Mail Address: 1234 Main St. Anywhere, MT 59101		Contact Name, Phone, Fax, E-mail: John Smith 605-444-1234	Sampler Name if other than Contact: SAME
Invoice Address: P.O. Box 222 City, ST 11111		Invoice Contact & Phone #: Jane Doe 406-555-1212	Purchase Order #: A98765
Report Required For: POTW/WWTP ☐ DW ☐ Other _____		ELI Quote #: HO1-172	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Formal _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: Spoke to Joe RE: Rush TAT	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		ANALYSIS REQUESTED SEE ATTACHED (RUSH TAT) RUSH Turnaround (TAT)	
Collection Date	Collection Time	MATRIX	Number of Containers Sample Type: A W S V U O At Level IV Reporting Time Other _____
08/01/01	13:10	3-W	Mercury VOCs 8280 TOX
08/02/01	09:47	1-S	
Custody Record MUST be Signed		LABORATORY USE ONLY	
Relinquished by: John Smith	Date/Time: 08/09/01 14:15	Shipped by: Hand Deliver	Received by: Mary Cook
Relinquished by:	Date/Time:	Shipped by:	Received by:
Sample Disposal: Return to client: _____ Lin Disposal: _____		Sample Type: _____ # of fractions _____	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.



INVOICE

Invoice Date: July 09, 2004

Invoice No: 240750304

BILL TO: Sanitation Inc.
Attn: William Spoja
PO Box 882
Lewistown, MT 59457

Purchase Order
Account Number B10190
TERMS: NET 30 Days
Interest charged after 30 days 1.5% per month.
VISA/MasterCard payments accepted

Project Name: Sanitation Inc. Landfill

Page 1

Lab Number	Client Sample ID	Remarks	Matrix	List Price	Mult	Price	Total
WorkOrder B04061901							
B04061901-001	SIMW-1		Aqueous				\$430.00
		Metals by ICP/ICPMS, Dissolved		\$170.00	0.75	\$127.50	
		Anions by ion chromatography		\$20.00	0.75	\$15.00	
		Cyanide, Total Manual Distillation		\$30.00	0.75	\$22.50	
		Chemical Oxygen Demand		\$25.00	0.75	\$18.75	
		Conductivity		\$10.00	0.75	\$7.50	
		Nitrogen, Nitrate + Nitrite		\$15.00	0.75	\$11.25	
		pH		\$10.00	0.75	\$7.50	
		8260-Volatile Organic Comp, 40 CFR Part 258 App		\$220.00	1	\$220.00	
B04061901-002	SIMW-2		Aqueous				\$430.00
		Metals by ICP/ICPMS, Dissolved		\$170.00	0.75	\$127.50	
		Anions by ion chromatography		\$20.00	0.75	\$15.00	
		Cyanide, Total Manual Distillation		\$30.00	0.75	\$22.50	
		Chemical Oxygen Demand		\$25.00	0.75	\$18.75	
		Conductivity		\$10.00	0.75	\$7.50	
		Nitrogen, Nitrate + Nitrite		\$15.00	0.75	\$11.25	
		pH		\$10.00	0.75	\$7.50	
		8260-Volatile Organic Comp, 40 CFR Part 258 App		\$220.00	1	\$220.00	
B04061901-003	SIMW-3		Aqueous				\$430.00
		Metals by ICP/ICPMS, Dissolved		\$170.00	0.75	\$127.50	
		Anions by ion chromatography		\$20.00	0.75	\$15.00	
		Cyanide, Total Manual Distillation		\$30.00	0.75	\$22.50	
		Chemical Oxygen Demand		\$25.00	0.75	\$18.75	
		Conductivity		\$10.00	0.75	\$7.50	
		Nitrogen, Nitrate + Nitrite		\$15.00	0.75	\$11.25	
		pH		\$10.00	0.75	\$7.50	
		8260-Volatile Organic Comp, 40 CFR Part 258 App		\$220.00	1	\$220.00	

Please detach and return this section with your payment. Thank you



REMIT TO: Energy Laboratories Inc
Accounts Receivable
PO Box 30975
Billings, MT 59107-0975

Account Number: B10190
Invoice Number: 240750304
Invoice Date: 07/09/04
Purchase Order:
Invoice Total: \$2,153.88
Amount Received: \$0.00
Amount Due: \$2,153.88

B10190 240750304 000215388 024075948



INVOICE

Invoice Date: July 09, 2004

Invoice No: 240750304

BILL TO: Sanitation Inc.
Attn: William Spoja
PO Box 882
Lewistown, MT 59457

Purchase Order
Account Number B10190
TERMS: NET 30 Days
Interest charged after 30 days 1.5% per month.
VISA/MasterCard payments accepted

Project Name: Sanitation Inc. Landfill

Page 2

Lab Number	Client Sample ID	Remarks	Matrix	List Price	Mult	Price	Total
B04061901-004 SIMW-4			Aqueous				\$430.00
Metals by ICP/ICPMS, Dissolved				\$170.00	0.75	\$127.50	
Anions by ion chromatography				\$20.00	0.75	\$15.00	
Cyanide, Total Manual Distillation				\$30.00	0.75	\$22.50	
Chemical Oxygen Demand				\$25.00	0.75	\$18.75	
Conductivity				\$10.00	0.75	\$7.50	
Nitrogen, Nitrate + Nitrite				\$15.00	0.75	\$11.25	
pH				\$10.00	0.75	\$7.50	
8260-Volatile Organic Comp, 40 CFR Part 258 App				\$220.00	1	\$220.00	
B04061901-005 SIMW-4D			Aqueous				\$430.00
Metals by ICP/ICPMS, Dissolved				\$170.00	0.75	\$127.50	
Anions by ion chromatography				\$20.00	0.75	\$15.00	
Cyanide, Total Manual Distillation				\$30.00	0.75	\$22.50	
Chemical Oxygen Demand				\$25.00	0.75	\$18.75	
Conductivity				\$10.00	0.75	\$7.50	
Nitrogen, Nitrate + Nitrite				\$15.00	0.75	\$11.25	
pH				\$10.00	0.75	\$7.50	
8260-Volatile Organic Comp, 40 CFR Part 258 App				\$220.00	1	\$220.00	
B04061901-006 Trip Blank			Aqueous				\$0.00
8260-Volatile Organic Comp, 40 CFR Part 258 App				\$220.00	0	\$0.00	

Miscellaneous Charge Summary

WorkOrder: B04061901

UPS ARS Ground	\$3.88	1	\$3.88
----------------	--------	---	--------

Subtotal:	\$2,150.00
Misc Charges:	\$3.88

INVOICE Total:	\$2,153.88
Amount Received:	\$0.00

AMOUNT DUE: \$2,153.88



INVOICE

Invoice Date: July 09, 2004

Invoice No: 240750304

BILL TO: Sanitation Inc.
Attn: William Spoja
PO Box 882
Lewistown, MT 59457

Purchase Order
Account Number B10190
TERMS: NET 30 Days
Interest charged after 30 days 1.5% per month.
VISA/MasterCard payments accepted

Project Name: Sanitation Inc. Landfill

Page 1

Lab Number	Client Sample ID	Remarks	Matrix	List Price	Mult	Price	Total
------------	------------------	---------	--------	------------	------	-------	-------

WorkOrder B04061901

B04061901-001 SIMW-1	Aqueous	\$430.00
Metals by ICP/ICPMS, Dissolved	\$170.00 0.75	\$127.50
Anions by ion chromatography	\$20.00 0.75	\$15.00
Cyanide, Total Manual Distillation	\$30.00 0.75	\$22.50
Chemical Oxygen Demand	\$25.00 0.75	\$18.75
Conductivity	\$10.00 0.75	\$7.50
Nitrogen, Nitrate + Nitrite	\$15.00 0.75	\$11.25
pH	\$10.00 0.75	\$7.50
8260-Volatile Organic Comp, 40 CFR Part 258 App	\$220.00 1	\$220.00
B04061901-002 SIMW-2	Aqueous	\$430.00
Metals by ICP/ICPMS, Dissolved	\$170.00 0.75	\$127.50
Anions by ion chromatography	\$20.00 0.75	\$15.00
Cyanide, Total Manual Distillation	\$30.00 0.75	\$22.50
Chemical Oxygen Demand	\$25.00 0.75	\$18.75
Conductivity	\$10.00 0.75	\$7.50
Nitrogen, Nitrate + Nitrite	\$15.00 0.75	\$11.25
pH	\$10.00 0.75	\$7.50
8260-Volatile Organic Comp, 40 CFR Part 258 App	\$220.00 1	\$220.00
B04061901-003 SIMW-3	Aqueous	\$430.00
Metals by ICP/ICPMS, Dissolved	\$170.00 0.75	\$127.50
Anions by ion chromatography	\$20.00 0.75	\$15.00
Cyanide, Total Manual Distillation	\$30.00 0.75	\$22.50
Chemical Oxygen Demand	\$25.00 0.75	\$18.75
Conductivity	\$10.00 0.75	\$7.50
Nitrogen, Nitrate + Nitrite	\$15.00 0.75	\$11.25
pH	\$10.00 0.75	\$7.50
8260-Volatile Organic Comp, 40 CFR Part 258 App	\$220.00 1	\$220.00

Please detach and return this section with your payment. Thank you



REMIT TO: Energy Laboratories Inc
Accounts Receivable
PO Box 30975
Billings, MT 59107-0975

Account Number: B10190
Invoice Number: 240750304
Invoice Date: 07/09/04
Purchase Order:
Invoice Total: \$2,153.88
Amount Received: \$0.00
Amount Due: \$2,153.88

B10190 240750304 000215388 0240975948

INVOICE

ALL TO: Burlington Inc.
Attn: William Davis
PO Box 243
Lebanon, NY 12447

Invoice No. 240700004

Invoice Date: July 01, 2004

Business Order
Account Number: B70180
TERMS: NET 30 Days
Amount Due: \$5,121.88
Amount Paid: \$0.00
Amount Due: \$5,121.88

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Invoice Date: July 01, 2004

Invoice No. 240700004

Account Number: B70180
Invoice Number: 240700004
Invoice Date: 07/01/04
Purchase Order:
Invoice Total: \$5,121.88
Amount Received: \$0.00
Amount Due: \$5,121.88

AL001P 540720304 00042000 05000000



INVOICE

Invoice Date: July 09, 2004

Invoice No: 240750304

BILL TO: Sanitation Inc.
Attn: William Spoja
PO Box 882
Lewistown, MT 59457

Purchase Order
Account Number B10190
TERMS: NET 30 Days
Interest charged after 30 days 1.5% per month.
VISA/MasterCard payments accepted

Project Name: Sanitation Inc. Landfill

Page 2

Lab Number	Client Sample ID	Remarks	Matrix	List Price	Mult	Price	Total
B04061901-004	SIMW-4		Aqueous				\$430.00
		Metals by ICP/ICPMS, Dissolved		\$170.00	0.75	\$127.50	
		Anions by ion chromatography		\$20.00	0.75	\$15.00	
		Cyanide, Total Manual Distillation		\$30.00	0.75	\$22.50	
		Chemical Oxygen Demand		\$25.00	0.75	\$18.75	
		Conductivity		\$10.00	0.75	\$7.50	
		Nitrogen, Nitrate + Nitrite		\$15.00	0.75	\$11.25	
		pH		\$10.00	0.75	\$7.50	
		8260-Volatile Organic Comp, 40 CFR Part 258 App		\$220.00	1	\$220.00	
B04061901-005	SIMW-4D		Aqueous				\$430.00
		Metals by ICP/ICPMS, Dissolved		\$170.00	0.75	\$127.50	
		Anions by ion chromatography		\$20.00	0.75	\$15.00	
		Cyanide, Total Manual Distillation		\$30.00	0.75	\$22.50	
		Chemical Oxygen Demand		\$25.00	0.75	\$18.75	
		Conductivity		\$10.00	0.75	\$7.50	
		Nitrogen, Nitrate + Nitrite		\$15.00	0.75	\$11.25	
		pH		\$10.00	0.75	\$7.50	
		8260-Volatile Organic Comp, 40 CFR Part 258 App		\$220.00	1	\$220.00	
B04061901-006	Trip Blank		Aqueous				\$0.00
		8260-Volatile Organic Comp, 40 CFR Part 258 App		\$220.00	0	\$0.00	

Miscellaneous Charge Summary

WorkOrder: B04061901

UPS ARS Ground \$3.88 1 \$3.88

Subtotal: \$2,150.00

Misc Charges: \$3.88

INVOICE Total: \$2,153.88

Amount Received: \$0.00

AMOUNT DUE: \$2,153.88



ANALYTICAL SUMMARY REPORT

July 08, 2004

Sanitation Inc.

PO Box 882

Lewistown, MT 59457

Workorder No.: B04061901

Project Name: Sanitation Inc. Landfill

Energy Laboratories Inc received the following 6 samples from Sanitation Inc. on 6/24/2004 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B04061901-001	SIMW-1	06/21/04 12:45	06/24/04	Aqueous	Metals by ICP/ICPMS, Dissolved Anions by ion chromatography Cyanide, Total Manual Distillation Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
B04061901-002	SIMW-2	06/21/04 14:00	06/24/04	Aqueous	Same As Above
B04061901-003	SIMW-3	06/21/04 15:00	06/24/04	Aqueous	Same As Above
B04061901-004	SIMW-4	06/21/04 16:00	06/24/04	Aqueous	Same As Above
B04061901-005	SIMW-4D	06/21/04 16:00	06/24/04	Aqueous	Same As Above
B04061901-006	Trip Blank	06/21/04 12:45	06/24/04	Aqueous	8260-Volatile Organic Comp, 40 CFR Part 258 App I

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except if noted in report comments or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: _____

ANALYTICAL SUMMARY REPORT

Sample ID	Client Sample ID	Collection Date/Time	Analysis Method	Test
001-001-001	001-001-001	001-001-001	001-001-001	001-001-001
001-001-002	001-001-002	001-001-002	001-001-002	001-001-002
001-001-003	001-001-003	001-001-003	001-001-003	001-001-003
001-001-004	001-001-004	001-001-004	001-001-004	001-001-004
001-001-005	001-001-005	001-001-005	001-001-005	001-001-005
001-001-006	001-001-006	001-001-006	001-001-006	001-001-006
001-001-007	001-001-007	001-001-007	001-001-007	001-001-007
001-001-008	001-001-008	001-001-008	001-001-008	001-001-008
001-001-009	001-001-009	001-001-009	001-001-009	001-001-009
001-001-010	001-001-010	001-001-010	001-001-010	001-001-010

For more information, please contact the laboratory at 1-800-555-1234. All data is subject to change without notice.

Signature: _____ Date: _____

WPC 1/12

Fergus Co
Sanitation Inc # 291
grd wtr mon (ANAL)

RECEIVED

OCT 14 2003

MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

**SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
JULY 2003 GROUNDWATER SAMPLING REPORT**

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc.
Consulting Scientists & Engineers 
3020 Bozeman Avenue
Helena, MT 59601

October 2003

October 9, 2003

Mr. Tim Stepp
Environmental Engineer
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: July 2003 Groundwater Monitoring Results
Sanitation, Inc. Landfill, Lewistown, MT

Dear Tim,

Hydrometrics, under contract to Barry Damschen Consulting, LLC, has prepared this letter report to transmit the results of the July 2003 groundwater monitoring at the Sanitation, Inc. Landfill in Lewistown, Montana. Sampling activities were conducted on July 22, 2003.

Groundwater Flow Results

Static water levels were measured in wells SIMW-1, SIMW-2 and SIMW-3, and in piezometers SIP-1 and SIP-2 (Table 1). Monitoring locations and July 2003 groundwater elevations are shown on Figure 1, along with potentiometric contours based on the observed elevations. Note that well SIMW-4 (shown on Figure 1) had not yet been installed during the July 2003 monitoring event. However, SIMW-4 has since been installed, and the estimated potentiometric surface in the vicinity of SIMW-4 shown in Figure 1 is based in on the results of groundwater level measurements collected subsequent to the July 2003 event.

Groundwater elevations in July 2003 were about 1 to 2 feet higher than those measured in October 2002. The estimated groundwater flow direction is generally to the north-northeast, and the estimated hydraulic gradient near well SIMW-3 is 0.17. Previous estimates of hydraulic gradient have been on the order of 0.04; the steeper gradient is based on new information obtained after installation and measurement of well SIMW-4. The groundwater seepage velocity near well SIMW-3 can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the following formula:

$$V_s = KI/n_e$$

where V_s = seepage velocity (ft/day);
 K = hydraulic conductivity (ft/day);
 I = hydraulic gradient (dimensionless); and
 n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-3 for July 2003 was 4.5 ft/day, compared with an estimate of 1.05 ft/day presented in the October 2002 data report (Hydrometrics, 2003).

Groundwater Quality Results

Water quality samples were collected from wells SIMW-1, SIMW-2 and SIMW-3 by bailing. Quality control (QC) samples included a field duplicate (collected at SIMW-3), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Billings, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

All VOC concentrations were below laboratory reporting limits for well SIMW-2. A limited number of VOCs were reported as present, but below the reporting limit, including the following:

- Dichlorodifluoromethane (0.38 µg/L), 1,1,1-trichloroethane (0.30 µg/L), and trichlorofluoromethane (0.23 µg/L) at well SIMW-1; and
- Dichlorodifluoromethane (0.27 µg/L) at well SIMW-3.

Results for selected inorganic parameters and organic parameters that were reported as present in July 2003 are summarized in Table 2a for SIMW-1, Table 2b for SIMW-2, and Table 2c for SIMW-3, along with summary statistics for the data period August 1995 through July 2003. In general, groundwater parameter concentrations were similar to values observed previously at each monitoring well.

Figures 3a, 3b, and 3c show trend plots of chloride, sulfate, specific conductance (SC), nitrate + nitrite, and dissolved iron, selenium, and zinc for wells SIMW-1, SIMW-2, and SIMW-3, respectively. In addition, trends for VOCs reported as present in the July 2003 data set are presented for wells SIMW-1 and SIMW-3. While the data show some variability over time, in most cases current concentrations are similar to data collected in 1995. No consistent increasing trends are apparent, although in some cases concentrations have recently increased after an earlier period of decreases (e.g., chloride and sulfate at SIMW-3). Dissolved metals concentrations have shown several spikes (in 1997 at well SIMW-2, and in 1999 at well SIMW-3), but are characteristically at or near detection limits.

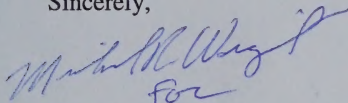
As an additional method to determine if groundwater concentrations are changing over time, the nonparametric Mann-Kendall test for trend (D.R. Helsel and R.M. Hirsch, 1992) was conducted on the data sets for wells SIMW-1, SIMW-2 and SIMW-3. Briefly stated, the test involves calculation of Kendall's S-statistic and Kendall's tau (τ), which is a measure of the strength of correlation between two variables. Statistical results are presented in Table 3. A significance level of $\alpha=0.05$ was selected for the test. The significance level of 0.05 is

commonly used as a default level for statistical testing, and signifies a 5% chance that the test will conclude that there is a trend when in fact there is not. Note that, due to the prevalence of estimated values (values reported as present, but below reporting limits), the Mann-Kendall test was not conducted for organic parameters.

Statistically significant ($p < 0.05$) trends were detected for nitrate + nitrite and selenium at well SIMW-2 (both decreasing trends, since τ is negative), and for specific conductance (SC) at well SIMW-3 (Table 3). While the SC trend plot for SIMW-3 does indicate a general increase during recent years (Figure 2c), the July 2003 value of 811 $\mu\text{mhos/cm}$ was lower than the values observed over the previous three monitoring events, and was only slightly higher than the long-term average for this well (738 $\mu\text{mhos/cm}$; Table 2c).

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150 ext. 146.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Walker", with a stylized flourish at the end.

Mark Walker
Chemist

Enclosures

c: Sanitation, Inc.
Barry Damschen Consulting, LLC

REFERENCES

- Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.
- Helsel, D.R. and R.M. Hirsch, 1992. *Statistical Methods in Water Resources*. Elsevier Science Publishers, Amsterdam.
- Hydrometrics, 2003. Sanitation, Inc. Landfill, Lewistown, Montana, Fall 2002 Groundwater Sampling Report. January, 2003.

TABLES

Table 1. Water Level Measurement Results

Table 2a. SIMW-1 Groundwater Quality Results and Summary Statistics

Table 2b. SIMW-2 Groundwater Quality Results and Summary Statistics

Table 2c. SIMW-3 Groundwater Quality Results and Summary Statistics

Table 3. Statistical Test Results



Table 1. Water Level Measurement Results

Well	July 2003 Static Water Level (ft bmp)	July 2003 Groundwater Elevation (ft)
SIMW-1	45.12	4092.76
SIMW-2	32.45	4088.56
SIMW-3	35.15	4078.46
SIP-1	35.00	4085.24
SIP-2	50.35	4100.99

NOTES:

bmp = below measuring point

nc = not calculated (no static water level measured)

At the meeting of the Board of Directors of the
 City of New York, held on the 10th day of March, 1900,
 the following resolution was adopted:

Name	Rank	Pay	Age	Service	Remarks
John A. Smith	Major	\$10,000	45	10 years	
James B. Jones	Captain	\$8,000	40	8 years	
William C. Brown	First Lieutenant	\$6,000	35	5 years	
Charles D. White	Second Lieutenant	\$4,000	30	3 years	
Edward F. Black	Third Lieutenant	\$3,000	25	1 year	
George H. Green	Fourth Lieutenant	\$2,000	20	6 months	
Frank I. Gray	Fifth Lieutenant	\$1,500	18	3 months	
Henry J. Hall	Sixth Lieutenant	\$1,000	15	1 month	
Isaac K. King	Seventh Lieutenant	\$800	12	1 week	
Joseph L. Lee	Eighth Lieutenant	\$600	10	1 day	
Samuel M. Miller	Ninth Lieutenant	\$400	8	1 hour	
David N. Nelson	Tenth Lieutenant	\$200	6	1 minute	
Abraham O. Olson	Eleventh Lieutenant	\$100	4	1 second	
Benjamin P. Parker	Twelfth Lieutenant	\$50	2	1 instant	
Charles Q. Quinn	Thirteenth Lieutenant	\$25	1	1 fraction	
Edward R. Reed	Fourteenth Lieutenant	\$12	0	1 atom	
George S. Scott	Fifteenth Lieutenant	\$6	0	1 molecule	
Henry T. Taylor	Sixteenth Lieutenant	\$3	0	1 particle	
Isaac U. Underhill	Seventeenth Lieutenant	\$1	0	1 speck	
Joseph V. Vance	Eighteenth Lieutenant	\$0	0	1 drop	
Samuel W. Walker	Nineteenth Lieutenant	\$0	0	1 grain	
David X. Xavier	Twentieth Lieutenant	\$0	0	1 atom	
Abraham Y. Young	Twenty-first Lieutenant	\$0	0	1 molecule	
Benjamin Z. Zimmerman	Twenty-second Lieutenant	\$0	0	1 particle	
Charles A. Adams	Twenty-third Lieutenant	\$0	0	1 speck	
Edward B. Baker	Twenty-fourth Lieutenant	\$0	0	1 drop	
George C. Carter	Twenty-fifth Lieutenant	\$0	0	1 grain	
Henry D. Davis	Twenty-sixth Lieutenant	\$0	0	1 atom	
Isaac E. Evans	Twenty-seventh Lieutenant	\$0	0	1 molecule	
Joseph F. Fisher	Twenty-eighth Lieutenant	\$0	0	1 particle	
Samuel G. Gibson	Twenty-ninth Lieutenant	\$0	0	1 speck	
David H. Harris	Thirtieth Lieutenant	\$0	0	1 drop	
Abraham I. Ingram	Thirty-first Lieutenant	\$0	0	1 grain	
Benjamin J. Jackson	Thirty-second Lieutenant	\$0	0	1 atom	
Charles K. Keller	Thirty-third Lieutenant	\$0	0	1 molecule	
Edward L. Lewis	Thirty-fourth Lieutenant	\$0	0	1 particle	
George M. Martin	Thirty-fifth Lieutenant	\$0	0	1 speck	
Henry N. Nash	Thirty-sixth Lieutenant	\$0	0	1 drop	
Isaac O. Olsen	Thirty-seventh Lieutenant	\$0	0	1 grain	
Joseph P. Parker	Thirty-eighth Lieutenant	\$0	0	1 atom	
Samuel Q. Quinn	Thirty-ninth Lieutenant	\$0	0	1 molecule	
David R. Reed	Fortieth Lieutenant	\$0	0	1 particle	
Abraham S. Scott	Forty-first Lieutenant	\$0	0	1 speck	
Benjamin T. Taylor	Forty-second Lieutenant	\$0	0	1 drop	
Charles U. Underhill	Forty-third Lieutenant	\$0	0	1 grain	
Edward V. Vance	Forty-fourth Lieutenant	\$0	0	1 atom	
George W. Walker	Forty-fifth Lieutenant	\$0	0	1 molecule	
Henry X. Xavier	Forty-sixth Lieutenant	\$0	0	1 particle	
Isaac Y. Young	Forty-seventh Lieutenant	\$0	0	1 speck	
Joseph Z. Zimmerman	Forty-eighth Lieutenant	\$0	0	1 drop	
Samuel A. Adams	Forty-ninth Lieutenant	\$0	0	1 grain	
David B. Baker	Fiftieth Lieutenant	\$0	0	1 atom	

Witness my hand and the seal of the City of New York, this 10th day of March, 1900.

Table 2a. SIMW-1 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (µg/L)	1,1,1-trichloro- ethane (µg/L)	trichlorofluoro- methane (µg/L)
8/16/1995	26	95	958	4.49	<0.03	0.017	<0.01	0.65(j)	0.67(j)	0.49(j)
6/10/1996				4.24	<0.03	0.016	0.02	0.58(j)	0.34(j)	0.4(j)
6/3/1997	25	92	786	5.56	0.04	0.014	0.03	0.53(j)	0.77(j)	0.47(j)
11/4/1997	24	81	751	3.74	<0.03	0.019	0.02	0.68(j)	0.4(j)	0.33(j)
10/6/1998				5.52				0.54(j)	0.42(j)	0.37(j)
6/15/1999	23	77	686	4.04	<0.03	0.018	0.02	0.53(j)	0.43(j)	0.39(j)
10/6/1999	25	79	759	4.06	<0.03	0.017	0.04	0.54(j)	<1	<1
6/27/2000	22	70	755	3.6	<0.03	0.016	<0.01	0.59(j)	<1	<1
10/17/2000	30	98	756	2.82	<0.03	0.009	0.04	0.43(j)	0.33(j)	0.28(j)
7/22/2003	22	68	798	4.47	<0.03	0.018	0.03	0.38(j)	0.3(j)	0.23(j)
n	8	8	8	10	9	9	9	10	10	10
% BD	0%	0%	0%	0%	89%	0%	22%	0%	20%	20%
Average	25	83	781	4.25	0	0.016	0.024	0.545	0.566	0.496
Median	24.5	80	758	4.15	<0.03	0.017	0.02	0.54	0.425	0.395
Minimum	22	68	686	2.82	<0.03	0.009	<0.01	0.38	0.3	0.23
Maximum	30	98	958	5.56	0.04	0.019	0.04	0.68	<1	<1

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

Table 2b. SIMW-2 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
8/16/1995	55	224	1480	3.78	<0.03	0.006	<0.01
6/10/1996	47	195	1180	4.18	<0.03	0.008	<0.01
10/22/1996	62	214	1180	2.6	1.29	<0.005	0.03
6/3/1997	63	202	1040	2.11	0.06	0.014	0.06
11/4/1997	58	211	1110	3.95	<0.03	0.008	<0.01
6/16/1998	56	201	1150	2.32	0.05	0.005	0.02
10/6/1998	56	203	1140	3.97	0.05	0.006	0.02
6/15/1999	30	177	1170	3.26	<0.03	0.006	0.01
10/6/1999	50	193	1100	2.46	<0.03	0.006	0.08
6/27/2000	59	199	1100	2.57	<0.03	0.005	<0.01
10/17/2000	61	201	1130	1.93	<0.03	0.005	<0.01
7/6/2001	67	214	1140	1.05	<0.03	<0.005	0.01
10/30/2001	61	205	1170	0.94	0.08	<0.005	0.01
10/26/2002	62	216	1240	1.04	0.05	<0.005	0.02
7/22/2003	62	187	1140	1.3	<0.03	<0.005	<0.01
n	15	15	15	15	15	15	15
% BD	0%	0%	0%	0%	60%	33%	40%
Average	57	203	1165	2.50	0	0.006	0.021
Median	59	202	1140	2.46	<0.03	0.005	0.01
Minimum	30	177	1040	0.94	<0.03	<0.005	<0.01
Maximum	67	224	1480	4.18	1.29	0.014	0.08

NOTES: n = number of samples
 %BD = percent of samples below detection limits
 Below detect values replaced with detection limit for calculation of averages

Table 2c. SIMW-3 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (µg/L)
8/16/1995	34	140	893	8.96	<0.03	0.021	<0.01	0.2(j)
6/10/1996	30	139	750	9.25	0.1	0.022	<0.01	<1
10/22/1996	34	133	706	9.09	0.03	0.019	<0.01	<1
6/3/1997	27	134	683	9.08	<0.03			<1
11/4/1997	30	131	767	9.35	<0.03	0.023	<0.01	<1
6/16/1998	23	129	739	12.2	0.24	0.019	<0.01	1.2
10/6/1998	25	128	731	11	<0.03	0.017	0.01	0.45(j)
6/15/1999	25	121	707	11.7	12.9	0.074	0.47	0.55(j)
10/6/1999	27	124	744	11.5	<0.03	0.019	0.02	<1
6/27/2000	30	135	797	10.1	<0.03	0.023	0.01	0.32(j)
10/17/2000	32	139	808	9.76	<0.03	0.024	0.01	0.3(j)
7/6/2001	36	135	870	8.79	<0.03	0.021	<0.01	0.34(j)
10/30/2001	35	134	866	10.7	<0.03	0.02	0.03	<1
10/26/2002	30	140	879	8.69	<0.03	0.025	0.02	<1
7/22/2003	30	135	811	9.72	0.77	0.022	<0.01	0.27(j)
n	15	15	15	15	15	14	14	15
% BD	0%	0%	0%	0%	67%	0%	50%	47%
Average	30	133	783	9.99	1	0.025	0.046	0.709
Median	30	134	767	9.72	<0.03	0.022	<0.01	<1
Minimum	23	121	683	8.69	<0.03	0.017	<0.01	0.2
Maximum	36	140	893	12.2	12.9	0.074	0.47	1.2

NOTES: n = number of samples
 %BD = percent of samples below detection limits
 Below detect values replaced with detection limit for calculation of averages
 (j) Estimated value; analyte present but less than the reporting limit.

Table 3. Statistical Test Results

Well	Parameter	Mann-Kendall Trend Test Results		
		S	τ	p
SIMW-1	chloride	-10	-0.36	0.258
	sulfate	-14	-0.50	0.108
	SC	-2	-0.07	0.902
	nitrate + nitrite	-17	-0.38	0.152
	Fe (diss)	-4	-0.11	0.561
	Se (diss)	-3	-0.08	0.832
	Zn (diss)	12	0.33	0.234
SIMW-2	chloride	34	0.32	0.100
	sulfate	-11	-0.10	0.620
	SC	-9	-0.09	0.690
	nitrate + nitrite	-61	-0.58	0.003
	Fe (diss)	-8	-0.09	0.650
	Se (diss)	-55	-0.52	0.005
	Zn (diss)	-4	-0.04	0.862
SIMW-3	chloride	12	0.11	0.577
	sulfate	1	0.01	1.000
	SC	41	0.39	0.048
	nitrate + nitrite	3	0.03	0.921
	Fe (diss)	-6	-0.06	0.766
	Se (diss)	17	0.19	0.376
	Zn (diss)	26	0.29	0.138

NOTE: **Bold** values indicate rejection of "no-trend" hypothesis at confidence level $\alpha = 0.05$ (i.e., $p < 0.05$).

The Mann-Kendall test for trend is conducted according to methods presented in *Statistical Methods in Water Resources* by D.R. Helsel and R.M. Hirsch (1992). The test is a nonparametric method of assessing whether values over time tend to remain constant (null hypothesis) or tend to show an increasing or decreasing trend. The calculated statistics are as follows:

Kendall's S: compares each value in a data set to each subsequently collected value. S is an overall measure of whether subsequent values tend to be greater or less than a given value. If S is positive, subsequent values tend to be greater; if negative, subsequent values tend to be smaller. The closer S is to 0, the less evidence there is of any trend.

Kendall's tau: Kendall's tau is a correlation coefficient analogous to the more familiar Pearson's R. Tau can range from -1 to +1, with +1 indicating a strong increasing trend (increasing concentrations with time), and -1 indicating a strong negative trend (decreasing concentrations with time).

p-value: p-values are a measure of the significance of the above test statistics. Typically, when p is less than some established decision level α , then the null hypothesis (i.e., the assumption of no trend in this case) is rejected.

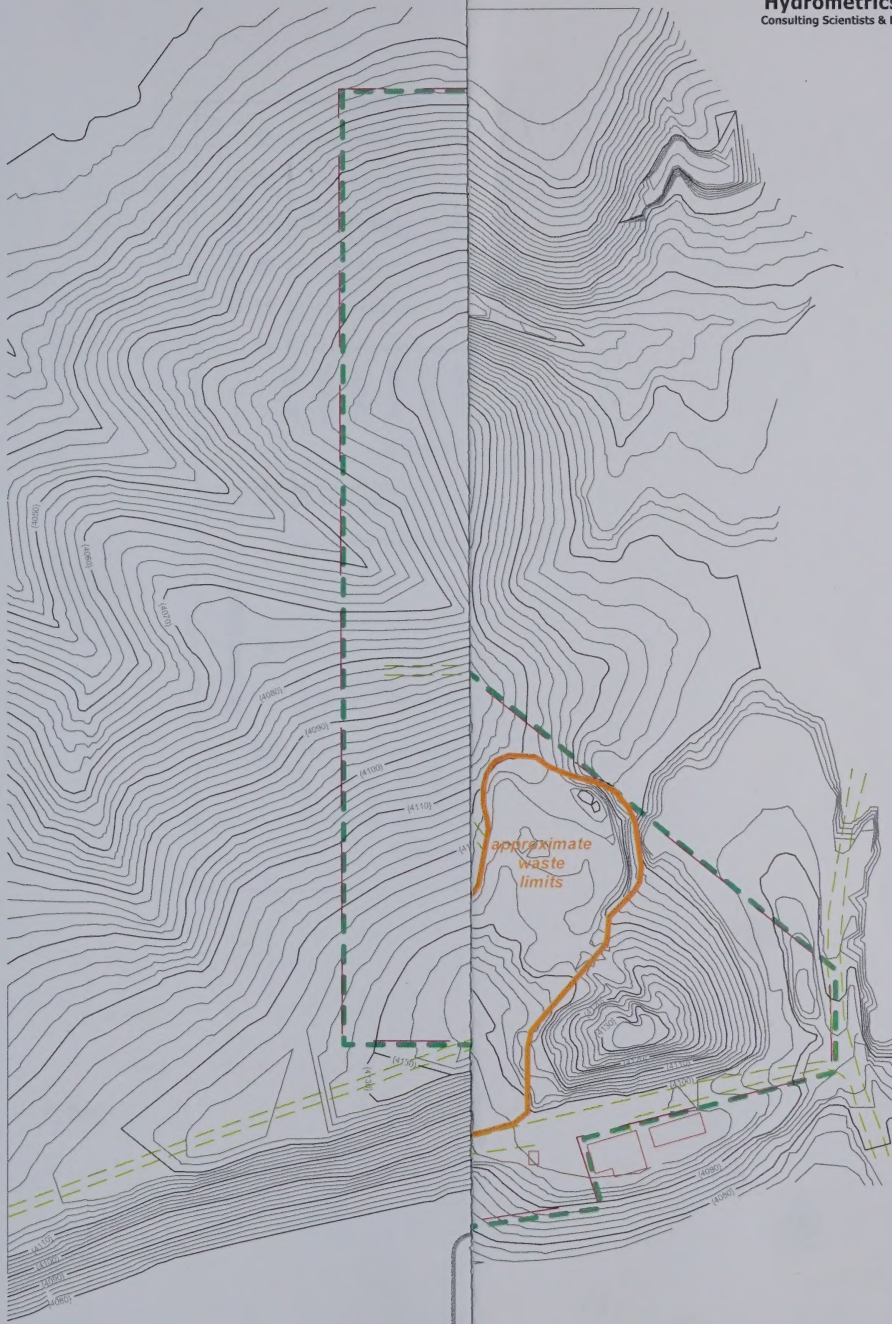
FIGURES

Figure 1. July 2003 Groundwater Elevations and Potentiometric Contours

Figure 2a. SIMW-1 Water Quality Trends

Figure 2b. SIMW-2 Water Quality Trends

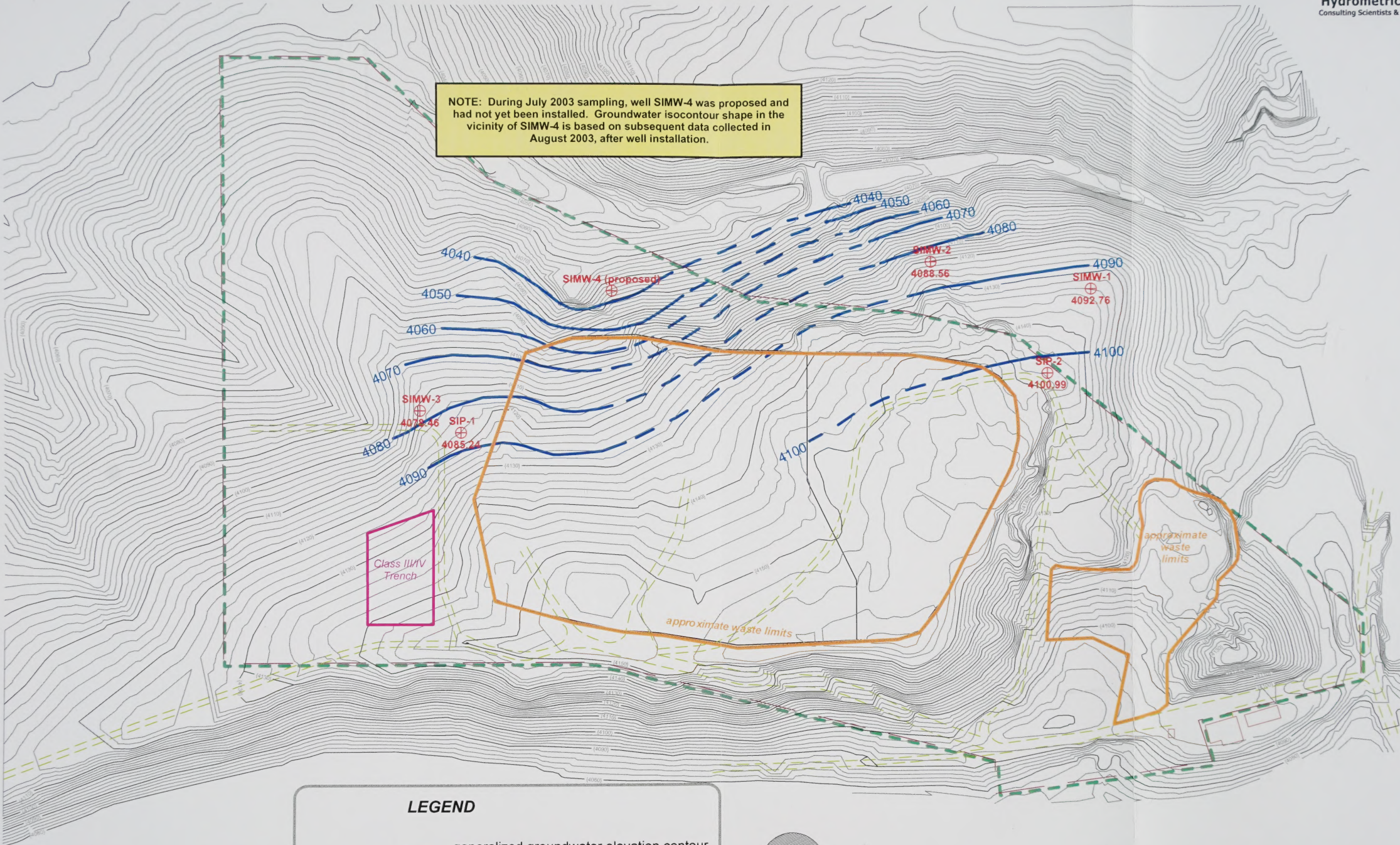
Figure 2c. SIMW-3 Water Quality Trends



Groundwater Elevations and
Potentiometric Contours
Hydrometrics, Inc. Landfill
Bozeman, Montana

FIGURE

1



LEGEND

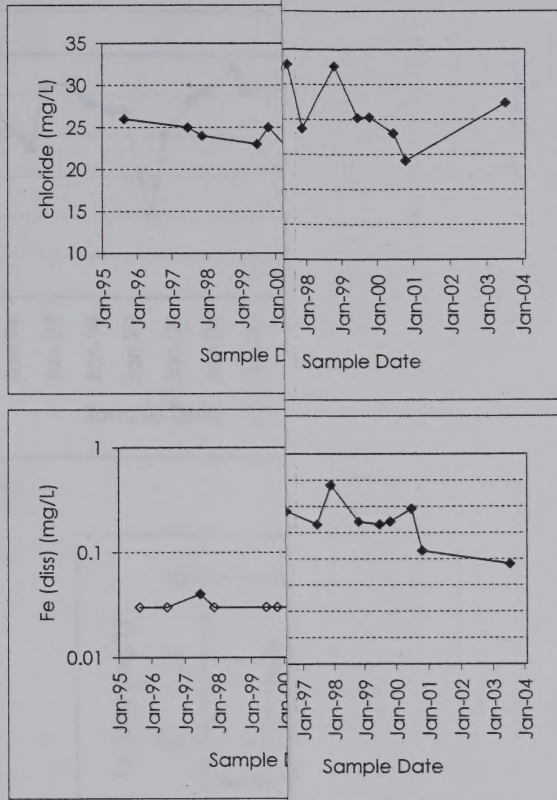
4080 — generalized groundwater elevation contour (dashed where inferred)

SIMW-3
⊕
4078.46 well/piezometer location with July 22, 2003 groundwater elevation

NORTH

0 200 400
Scale (ft)

July 2003 Groundwater Elevations and Generalized Potentiometric Contours Sanitation, Inc. Landfill Lewistown, Montana	FIGURE
	1



NOTE: open symbols indicate values below detection limits

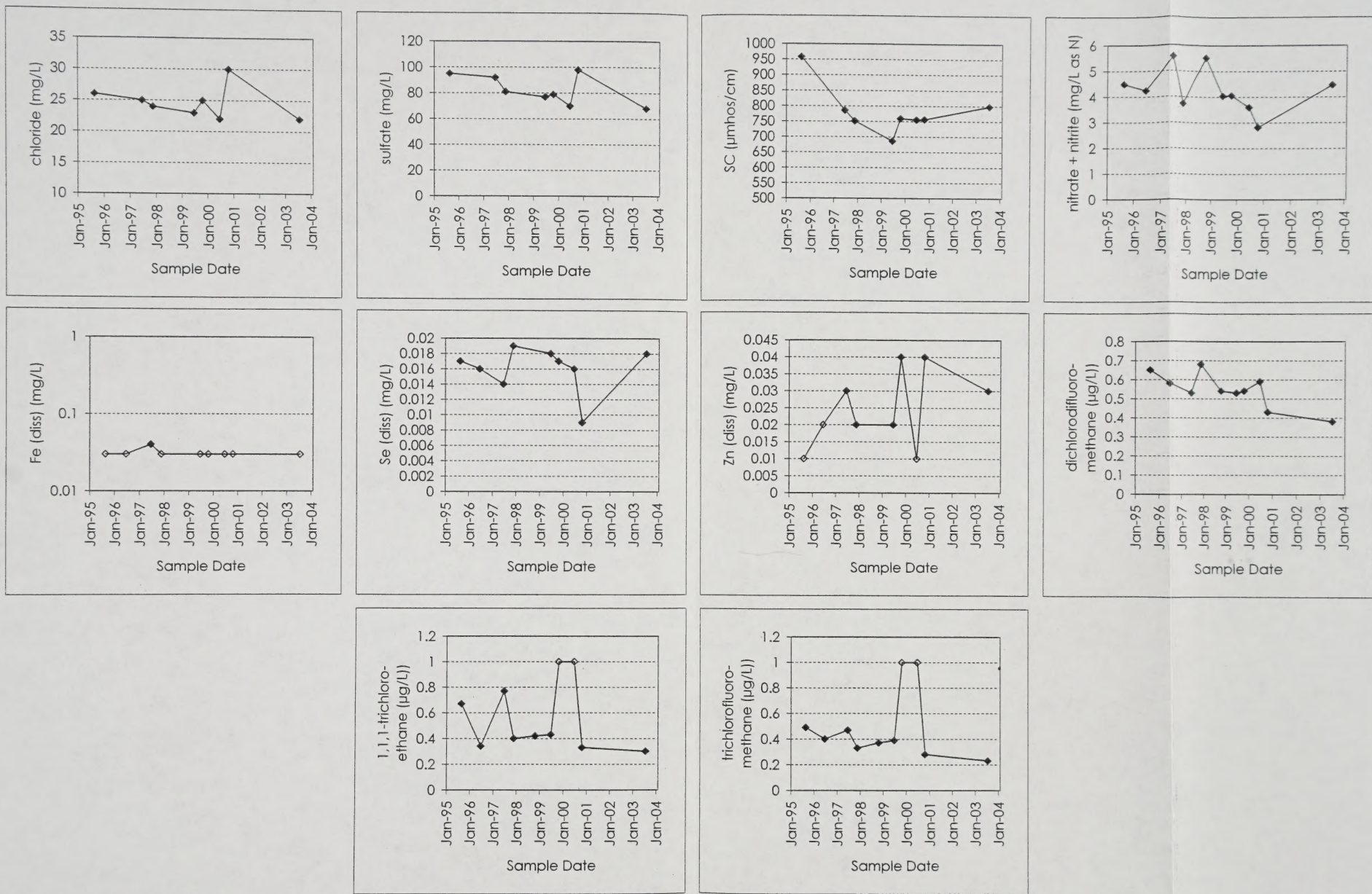
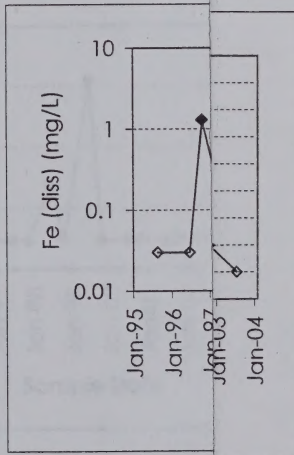
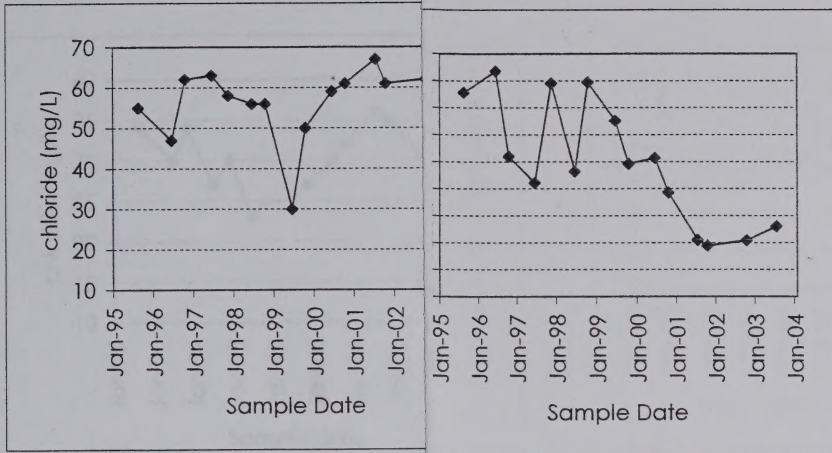


Figure 2a. SIMW-1 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below

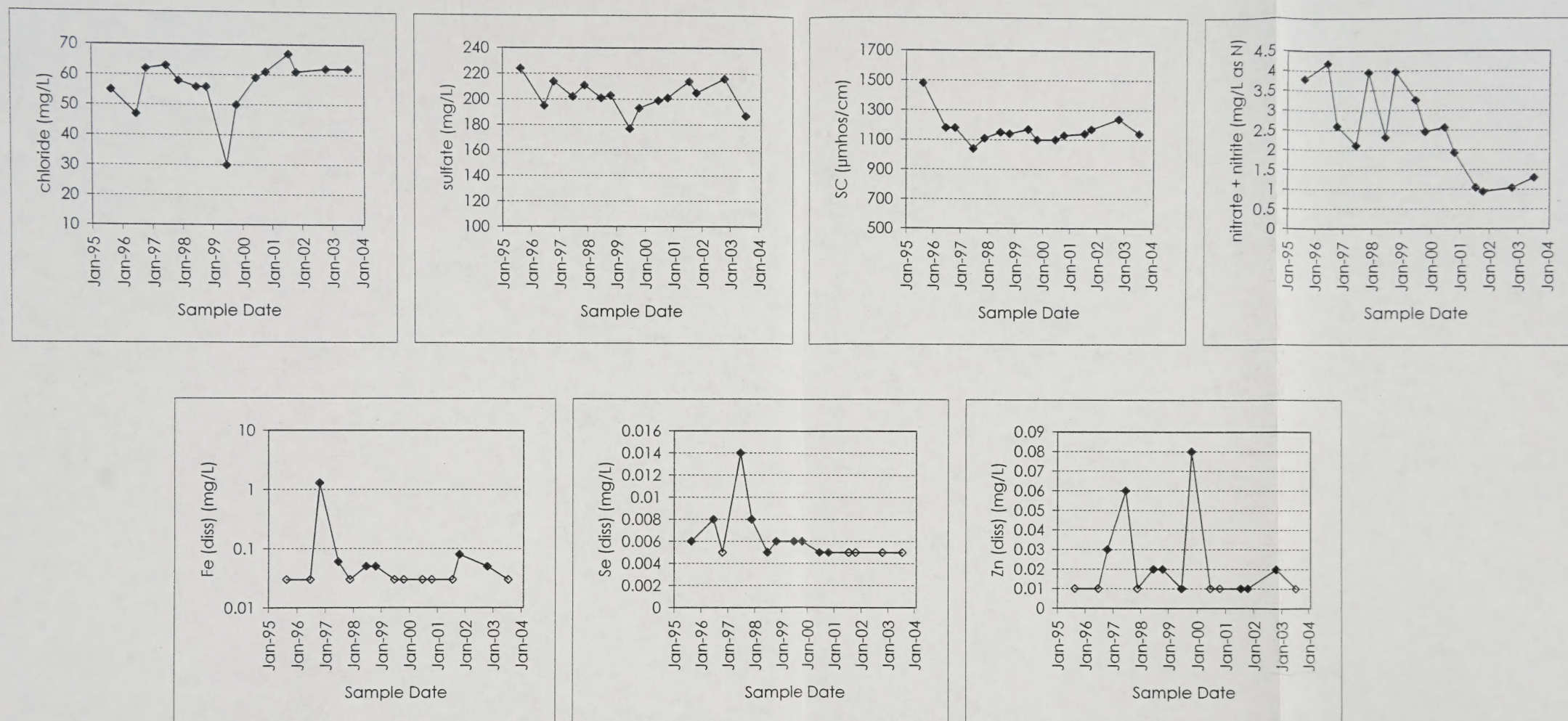
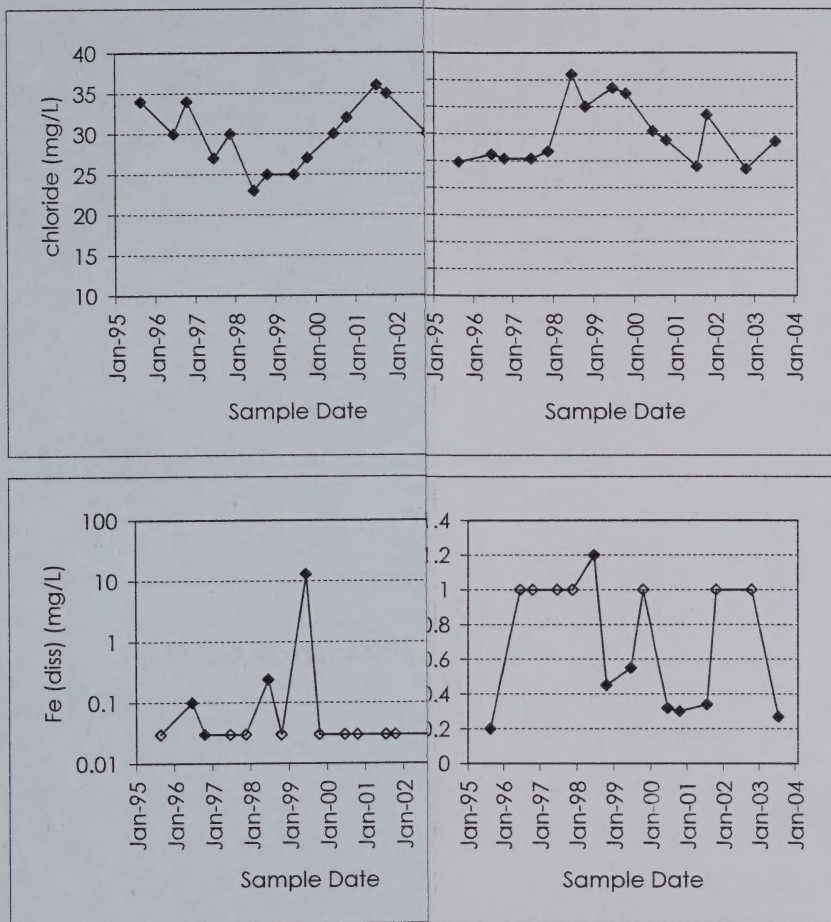


Figure 2b. SIMW-2 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below

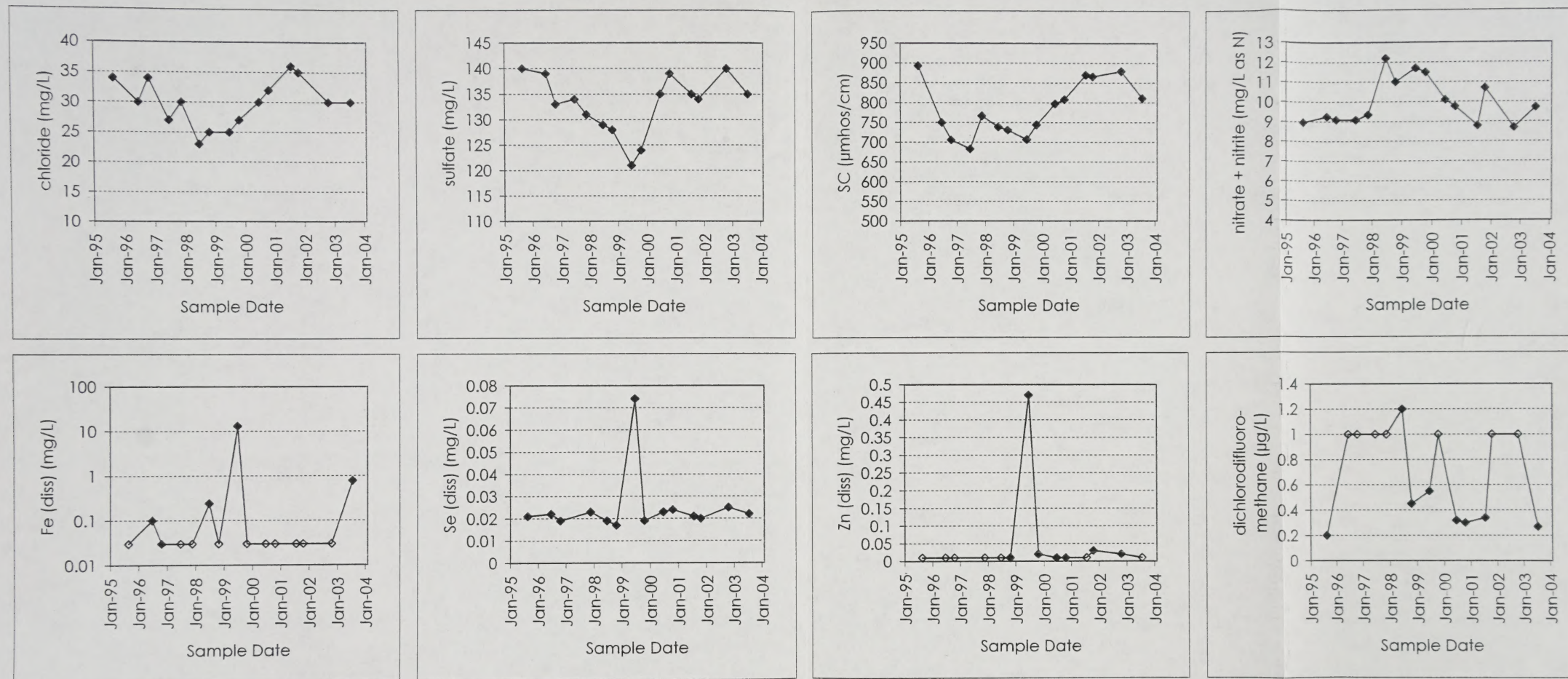


Figure 2c. SIMW-3 Water Quality Trends

NOTE: open symbols indicate value below detection limit

ATTACHMENT 1

FIELD NOTES AND LABORATORY REPORT

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: Sanitation Inc. LFill Well: S1m-1

Personnel: Barry Damschen

Date: 7-22-03 Time: 9:15

Conditions: _____

Static Water Level: 45.12 Total Depth Purged: _____

Purge Method: B/L Volume Purged: 2/3

	Volume	Temperature	Conductivity	pH
1.	<u>1/390</u>	_____	<u>814</u>	<u>7.10</u>
2.	<u>1/290</u>	_____	<u>795</u>	<u>7.14</u>
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: ~~5.0~~ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.01 time 70500 depth: 46

Comments:

S1P-2 = 50.35

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: SANTELION INC Well Well: SW-2

Personnel: Barry Damschen

Date: 7-22-03 Time: 10:30

Conditions: Sunny - mild 80

Static Water Level: 35.15 Total Depth Purged: _____

Purge Method: hand bailer Volume Purged: 1 1/4 gallons

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/4</u>	_____	<u>1400</u>	<u>7.01</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0.00 h2 0.01 time 7 sec depth: 39

Comments:

5.18-1 = 35.00

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SANITATION INC. C/FILL Well: 51M6-3,3D

Personnel: Benny Bernick

Date: 7-22-03 Time: 1130

Conditions: sunny 90's

Static Water Level: 32.45 Total Depth Purged: _____

Purge Method: Boiler (hand) Volume Purged: 1 1/2 gallons

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/2 gal</u>	_____	<u>1050</u>	<u>7.22</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.01 time 10 sec depth: 36'

Comments:

51P-1 = 35.00

PLEASE PRINT, provide as much information as possible.

Refer to corresponding notes on reverse side.

Company Name: BARRY DAMSCHON CONSTRUCTION			Project Name, PWS #, Permit #, Etc.: SANITATION INC. LEAD FILL																																																																																																																																																												
Report Address: 5531 YORK ROAD HOLM, MT 59602			Contact Name, Phone, Fax, E-mail: BARRY DAMSCHON 406 439-2069 OR 227-0343					Sampler Name if other than Contact:																																																																																																																																																							
Invoice Address: William Spore SANITATION INC PO BOX 882, LEWISTOWN MT 59457			Invoice Contact & Phone #: Bill Spore 538-8767					Purchase Order #:		ELI Quote #:																																																																																																																																																					
Report Required For: POTW/WWTP ☐ DW ☐ Other DEQ SW			ANALYSIS REQUESTED Number of Containers: 1 Sample Type: A W S V B O ☐ Air Water Soils/Solids Vegetation ☐ Bioassay Other ☐ MT Soil & Waste Tablet Waste Tablet Waste only					Notify ELI prior to RUSH sample submittal for additional charges and scheduling			Receipt Temp 41.6 °C																																																																																																																																																				
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____								SEE ATTACHED			Comments:			Cooler ID(s)																																																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)</th> <th style="width:10%;">Collection Date</th> <th style="width:10%;">Collection Time</th> <th style="width:10%;">MATRIX</th> <th style="width:10%;">1</th> <th style="width:10%;">2</th> <th style="width:10%;">3</th> <th style="width:10%;">4</th> <th style="width:10%;">5</th> <th style="width:10%;">6</th> <th style="width:10%;">7</th> <th style="width:10%;">8</th> <th style="width:10%;">9</th> <th style="width:10%;">10</th> </tr> </thead> <tbody> <tr> <td>1 SIMW-1</td> <td>7-22-03</td> <td>9:15</td> <td>GW</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 SIMW-2</td> <td>7-22-03</td> <td>10:30</td> <td>GW</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3 SIMW-3</td> <td>7-22-03</td> <td>11:30</td> <td>GW</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4 SIMW-3D</td> <td>7-22-03</td> <td>11:30</td> <td>GW</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5 TRIP BLANK</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	1	2	3	4	5	6	7	8	9	10	1 SIMW-1	7-22-03	9:15	GW	X										2 SIMW-2	7-22-03	10:30	GW	X										3 SIMW-3	7-22-03	11:30	GW	X										4 SIMW-3D	7-22-03	11:30	GW	X										5 TRIP BLANK				X										6														7														8														9														10														Laboratory Use Only Receipt Temp: 41.6 °C Cooler ID(s): Custody Seal: Y ☒ N ☐ Intact: Y ☒ N ☐ Signature: Y ☒ N ☐ Match: Lab ID:		
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	1	2	3	4	5	6	7	8	9	10																																																																																																																																																		
1 SIMW-1	7-22-03	9:15	GW	X																																																																																																																																																											
2 SIMW-2	7-22-03	10:30	GW	X																																																																																																																																																											
3 SIMW-3	7-22-03	11:30	GW	X																																																																																																																																																											
4 SIMW-3D	7-22-03	11:30	GW	X																																																																																																																																																											
5 TRIP BLANK				X																																																																																																																																																											
6																																																																																																																																																															
7																																																																																																																																																															
8																																																																																																																																																															
9																																																																																																																																																															
10																																																																																																																																																															
Custody Record MUST be Signed Requisitioned by: [Signature] Date/Time: 7-23-03 5:40am Requisitioned by: _____ Date/Time: _____ Shipped by: [Signature] Date/Time: _____ Shipped by: _____ Date/Time: _____ Sample Disposal: Return to client: _____ Lab Disposal: X Received by: [Signature] Date/Time: 7-23-03 12:10 Received by: [Signature] Date/Time: 7-23-03 07:54am Sample Type: _____ # of fractions: 07W																																																																																																																																																															

ANALYTICAL SUMMARY REPORT

August 05, 2003

Sanitation Inc.

PO Box 882

Lewistown, MT 59457

Workorder No.: B03071408

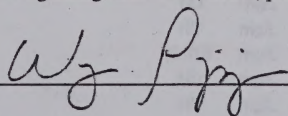
Project Name: Landfill

Energy Laboratories Inc received the following 5 samples from Sanitation Inc. on 7/24/2003 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B03071408-001	SIMW-1	07/22/03 9:15	07/24/03	Aqueous	Metals by ICP/ICPMS, Dissolved Anions by ion chromatography Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
B03071408-002	SIMW-2	07/22/03 10:30	07/24/03	Aqueous	Same As Above
B03071408-003	SIMW-3	07/22/03 11:30	07/24/03	Aqueous	Same As Above
B03071408-004	SIMW-3D	07/22/03 11:30	07/24/03	Aqueous	Same As Above
B03071408-005	Trip Blank	07/22/03 9:15	07/24/03	Aqueous	8260-Volatile Organic Comp, 40 CFR Part 258 App I

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except if noted in report comments or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: 

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-001
Client Sample ID: SIMW-1

Report Date: 08/04/03
Collection Date: 07/22/03 09:15
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	07/24/03 15:13 / kaw
Conductivity	798	umhos/cm		1		A2510 B	07/24/03 15:08 / kaw
INORGANICS							
Chloride	22	mg/L		1		E300.0	07/30/03 02:34 / jb
Sulfate	68	mg/L		1		E300.0	07/30/03 02:34 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	07/25/03 13:45 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	07/30/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	4.47	mg/L		0.05		E353.2	07/28/03 15:58 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/25/03 16:14 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/25/03 16:14 / jjw
Barium	ND	mg/L		0.1		E200.8	07/25/03 16:14 / jjw
Beryllium	ND	mg/L		0.001		E200.8	07/25/03 16:14 / jjw
Cadmium	ND	mg/L		0.001		E200.8	07/25/03 16:14 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/25/03 16:14 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/25/03 16:14 / jjw
Copper	ND	mg/L		0.01		E200.8	07/25/03 16:14 / jjw
Cron	ND	mg/L		0.03		E200.7	07/25/03 17:41 / rth
Lead	ND	mg/L		0.01		E200.8	07/25/03 16:14 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/25/03 16:14 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/25/03 16:14 / jjw
Selenium	0.018	mg/L		0.005		E200.8	07/25/03 16:14 / jjw
Silver	ND	mg/L		0.005		E200.8	07/25/03 16:14 / jjw
Sodium	ND	mg/L		0.1		E200.8	07/25/03 16:14 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/25/03 16:14 / jjw
Zinc	0.03	mg/L		0.01		E200.8	07/25/03 16:14 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/30/03 17:13 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	07/30/03 17:13 / sbd
Benzene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-001
Client Sample ID: SIMW-1

Report Date: 08/04/03
Collection Date: 07/22/03 09:15
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Dichlorodifluoromethane	0.38	ug/L	J	1.0		SW8260B	07/30/03 17:13 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
n-Hexane	ND	ug/L		20		SW8260B	07/30/03 17:13 / sbd
Methoxyethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/30/03 17:13 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/30/03 17:13 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
o-Tyrene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Toluene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
1,1,1-Trichloroethane	0.30	ug/L	J	1.0		SW8260B	07/30/03 17:13 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd

Report: RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting value.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-001
Client Sample ID: SIMW-1

Report Date: 08/04/03
Collection Date: 07/22/03 09:15
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Trichlorofluoromethane	0.23	ug/L	J	1.0		SW8260B	07/30/03 17:13 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	07/30/03 17:13 / sbd
Surr: 1,2-Dichloroethane-d4	99.2	%REC			70-130	SW8260B	07/30/03 17:13 / sbd
Surr: Dibromofluoromethane	110	%REC			77-126	SW8260B	07/30/03 17:13 / sbd
Surr: p-Bromofluorobenzene	111	%REC			76-127	SW8260B	07/30/03 17:13 / sbd
Surr: Toluene-d8	112	%REC			79-122	SW8260B	07/30/03 17:13 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-002
Client Sample ID: SIMW-2

Report Date: 08/04/03
Collection Date: 07/22/03 10:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		E150.1	07/24/03 15:13 / kaw
Conductivity	1140	umhos/cm		1		A2510 B	07/24/03 15:09 / kaw
INORGANICS							
Chloride	62	mg/L		1		E300.0	07/30/03 02:44 / jb
Sulfate	187	mg/L	D	3		E300.0	07/30/03 02:44 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	07/25/03 13:47 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	07/30/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.30	mg/L		0.05		E353.2	07/28/03 15:59 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/25/03 16:19 / jiw
Arsenic	ND	mg/L		0.005		E200.8	07/25/03 16:19 / jiw
Barium	ND	mg/L		0.1		E200.8	07/25/03 16:19 / jiw
Beryllium	ND	mg/L		0.001		E200.8	07/25/03 16:19 / jiw
Cadmium	ND	mg/L		0.001		E200.8	07/25/03 16:19 / jiw
Chromium	ND	mg/L		0.01		E200.8	07/25/03 16:19 / jiw
Cobalt	ND	mg/L		0.01		E200.8	07/25/03 16:19 / jiw
Copper	ND	mg/L		0.01		E200.8	07/25/03 16:19 / jiw
Iron	ND	mg/L		0.03		E200.7	07/25/03 17:52 / rth
Lead	ND	mg/L		0.01		E200.8	07/25/03 16:19 / jiw
Mercury	ND	mg/L		0.001		E200.8	07/25/03 16:19 / jiw
Nickel	ND	mg/L		0.01		E200.8	07/25/03 16:19 / jiw
Selenium	ND	mg/L		0.005		E200.8	07/25/03 16:19 / jiw
Silver	ND	mg/L		0.005		E200.8	07/25/03 16:19 / jiw
Thallium	ND	mg/L		0.1		E200.8	07/25/03 16:19 / jiw
Vanadium	ND	mg/L		0.1		E200.8	07/25/03 16:19 / jiw
Zinc	ND	mg/L		0.01		E200.8	07/25/03 16:19 / jiw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/30/03 17:49 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	07/30/03 17:49 / sbd
Benzene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd

Report Definitions: RL - Analyte reporting limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
QCL - Quality control limit.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-002
Client Sample ID: SIMW-2

Report Date: 08/04/03
Collection Date: 07/22/03 10:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
n-Hexanone	ND	ug/L		20		SW8260B	07/30/03 17:49 / sbd
Isodimethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/30/03 17:49 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/30/03 17:49 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
p-Tyrene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Toluene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-002
Client Sample ID: SIMW-2

Report Date: 08/04/03
Collection Date: 07/22/03 10:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
m,p-Xylenes	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	07/30/03 17:49 / sbd
Surr: 1,2-Dichloroethane-d4	103	%REC			70-130	SW8260B	07/30/03 17:49 / sbd
Surr: Dibromofluoromethane	108	%REC			77-126	SW8260B	07/30/03 17:49 / sbd
Surr: p-Bromofluorobenzene	110	%REC			76-127	SW8260B	07/30/03 17:49 / sbd
Surr: Toluene-d8	112	%REC			79-122	SW8260B	07/30/03 17:49 / sbd

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-003
Client Sample ID: SIMW-3

Report Date: 08/04/03
Collection Date: 07/22/03 11:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		E150.1	07/24/03 15:14 / kaw
Conductivity	811	umhos/cm		1		A2510 B	07/24/03 15:10 / kaw
INORGANICS							
Chloride	30	mg/L		1		E300.0	07/30/03 17:07 / jb
Sulfate	135	mg/L		1		E300.0	07/30/03 17:07 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	07/25/03 13:48 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	07/30/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	9.72	mg/L		0.05		E353.2	07/28/03 16:54 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/25/03 17:31 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/25/03 17:31 / jjw
Barium	ND	mg/L		0.1		E200.8	07/25/03 17:31 / jjw
Beryllium	ND	mg/L		0.001		E200.8	07/25/03 17:31 / jjw
Cadmium	ND	mg/L		0.001		E200.8	07/25/03 17:31 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/25/03 17:31 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/25/03 17:31 / jjw
Copper	ND	mg/L		0.01		E200.8	07/25/03 17:31 / jjw
Iron	0.77	mg/L		0.03		E200.7	07/25/03 18:00 / rth
Lead	ND	mg/L		0.01		E200.8	07/25/03 17:31 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/25/03 17:31 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/25/03 17:31 / jjw
Selenium	0.022	mg/L		0.005		E200.8	07/25/03 17:31 / jjw
Silver	ND	mg/L		0.005		E200.8	07/25/03 17:31 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/25/03 17:31 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/25/03 17:31 / jjw
Zinc	ND	mg/L		0.01		E200.8	07/25/03 17:31 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/30/03 18:25 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	07/30/03 18:25 / sbd
Benzene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-003
Client Sample ID: SIMW-3

Report Date: 08/04/03
Collection Date: 07/22/03 11:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Dichlorodifluoromethane	0.27	ug/L	J	1.0		SW8260B	07/30/03 18:25 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
n-Hexanone	ND	ug/L		20		SW8260B	07/30/03 18:25 / sbd
Isodimethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/30/03 18:25 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/30/03 18:25 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Styrene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Toluene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-003
Client Sample ID: SIMW-3

Report Date: 08/04/03
Collection Date: 07/22/03 11:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	07/30/03 18:25 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC			70-130	SW8260B	07/30/03 18:25 / sbd
Surr: Dibromofluoromethane	112	%REC			77-126	SW8260B	07/30/03 18:25 / sbd
Surr: p-Bromofluorobenzene	112	%REC			76-127	SW8260B	07/30/03 18:25 / sbd
Surr: Toluene-d8	110	%REC			79-122	SW8260B	07/30/03 18:25 / sbd

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-004
Client Sample ID: SIMW-3D

dupli for SIMW 3

Report Date: 08/04/03
Collection Date: 07/22/03 11:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		E150.1	07/24/03 15:15 / kaw
Conductivity	812	umhos/cm		1		A2510 B	07/24/03 15:10 / kaw
INORGANICS							
Chloride	30	mg/L		1		E300.0	07/30/03 17:17 / jb
Sulfate	135	mg/L		1		E300.0	07/30/03 17:17 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	07/25/03 13:50 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	07/30/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	9.59	mg/L		0.05		E353.2	07/28/03 16:54 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/25/03 17:37 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/25/03 17:37 / jjw
Barium	ND	mg/L		0.1		E200.8	07/25/03 17:37 / jjw
Beryllium	ND	mg/L		0.001		E200.8	07/25/03 17:37 / jjw
Cadmium	ND	mg/L		0.001		E200.8	07/25/03 17:37 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/25/03 17:37 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/25/03 17:37 / jjw
Copper	ND	mg/L		0.01		E200.8	07/25/03 17:37 / jjw
Iron	0.56	mg/L		0.03		E200.7	07/25/03 18:03 / rlh
Lead	ND	mg/L		0.01		E200.8	07/25/03 17:37 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/25/03 17:37 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/25/03 17:37 / jjw
Selenium	0.022	mg/L		0.005		E200.8	07/25/03 17:37 / jjw
Silver	ND	mg/L		0.005		E200.8	07/25/03 17:37 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/25/03 17:37 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/25/03 17:37 / jjw
Zinc	ND	mg/L		0.01		E200.8	07/25/03 17:37 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/30/03 19:01 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	07/30/03 19:01 / sbd
Benzene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-004
Client Sample ID: SIMW-3D

Report Date: 08/04/03
Collection Date: 07/22/03 11:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Dichlorodifluoromethane	0.27	ug/L	J	1.0		SW8260B	07/30/03 19:01 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	07/30/03 19:01 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/30/03 19:01 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/30/03 19:01 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Styrene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Toluene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-004
Client Sample ID: SIMW-3D

Report Date: 08/04/03
Collection Date: 07/22/03 11:30
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	07/30/03 19:01 / sbd
Surr: 1,2-Dichloroethane-d4	102	%REC			70-130	SW8260B	07/30/03 19:01 / sbd
Surr: Dibromofluoromethane	113	%REC			77-126	SW8260B	07/30/03 19:01 / sbd
Surr: p-Bromofluorobenzene	112	%REC			76-127	SW8260B	07/30/03 19:01 / sbd
Surr: Toluene-d8	109	%REC			79-122	SW8260B	07/30/03 19:01 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B03071408-005
Client Sample ID: Trip Blank

Report Date: 08/04/03
Collection Date: 07/22/03 09:15
Date Received: 07/24/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/30/03 16:37 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	07/30/03 16:37 / sbd
Benzene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	07/30/03 16:37 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/30/03 16:37 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/30/03 16:37 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Styrene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project: Landfill
 Lab ID: B03071408-005
 Client Sample ID: Trip Blank

Report Date: 08/04/03
 Collection Date: 07/22/03 09:15
 Date Received: 07/24/03
 Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Toluene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	07/30/03 16:37 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC			70-130	SW8260B	07/30/03 16:37 / sbd
Surr: Dibromofluoromethane	107	%REC			77-126	SW8260B	07/30/03 16:37 / sbd
Surr: p-Bromofluorobenzene	111	%REC			76-127	SW8260B	07/30/03 16:37 / sbd
Surr: Toluene-d8	112	%REC			79-122	SW8260B	07/30/03 16:37 / sbd

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Batch: PHSC030724A		
Sample ID: PHC10503	Laboratory Control Spike								07/24/03 09:08
Conductivity	152	umhos/cm	1.00	101	90	110			
Sample ID: PHC10504	Laboratory Control Spike								07/24/03 09:08
Conductivity	5010	umhos/cm	1.00	100	90	110			
Sample ID: DIH20	Method Blank								07/24/03 09:09
Conductivity	1.00	umhos/cm	1.00						
Sample ID: B03071340-001	Sample Duplicate								07/24/03 09:17
Conductivity	1530	umhos/cm	1.00						
Sample ID: B03071389-003B	Sample Duplicate								07/24/03 11:47
Conductivity	1820	umhos/cm	1.00				2.2	10	
Sample ID: B03071396-001A	Sample Duplicate								07/24/03 14:32
Conductivity	738	umhos/cm	1.00				0.5	10	
Sample ID: B03071408-001A	Sample Duplicate								07/24/03 15:11
Conductivity	789	umhos/cm	1.00				1.1	10	
Sample ID: B03071403-001A	Sample Duplicate								07/24/03 15:22
Conductivity	2020	umhos/cm	1.00				0.5	10	

Method: E150.1							Batch: PHSC030724A		
Sample ID: PHC10508	Laboratory Control Spike								07/24/03 09:08
pH	3.87	s.u.	0.100	96.8	90	110			
Sample ID: PHC10510	Laboratory Control Spike								07/24/03 09:09
pH	6.96	s.u.	0.100	99.4	90	110			
Sample ID: B03071340-001	Sample Duplicate								07/24/03 09:22
pH	8.55	s.u.	0.100						
Sample ID: B03071389-003B	Sample Duplicate								07/24/03 11:54
pH	8.38	s.u.	0.100				0.4	10	
Sample ID: B03071396-001A	Sample Duplicate								07/24/03 14:43
pH	7.66	s.u.	0.100						
Sample ID: B03071408-001A	Sample Duplicate								07/24/03 15:16
pH	7.04	s.u.	0.100				1.6	10	
Sample ID: B03071403-001A	Sample Duplicate								07/24/03 15:30
pH	7.81	s.u.	0.100				0.8	10	

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R28737
Sample ID: MB-TJADIS030725A	Method Blank								07/25/03 16:51
Iron	ND	mg/L	0.0300						
Sample ID: LCS3-TJADIS030725A	Laboratory Control Spike								07/25/03 16:55
Iron	5.16	mg/L	0.0300	103	70	130			
Sample ID: B03070731-002BMS2	Sample Matrix Spike								07/25/03 17:03
Iron	5.78	mg/L	0.0300	110	70	130			
Sample ID: B03070731-002BMSD2	Sample Matrix Spike Duplicate								07/25/03 17:06
Iron	5.98	mg/L	0.0300	114	70	130	3.4	20	
Sample ID: B03071408-001BMS2	Sample Matrix Spike								07/25/03 17:44
Iron	5.28	mg/L	0.0300	105	70	130			
Sample ID: B03071408-001BMSD2	Sample Matrix Spike Duplicate								07/25/03 17:48
Iron	5.49	mg/L	0.0300	109	70	130	4.0	20	
Sample ID: B03071450-002BMS2	Sample Matrix Spike								07/25/03 18:42
Iron	11.0	mg/L	0.0300	106	70	130			
Sample ID: B03071450-002BMSD2	Sample Matrix Spike Duplicate								07/25/03 18:46
Iron	11.4	mg/L	0.0300	110	70	130	2.8	20	
Sample ID: B03071450-012BMS2	Sample Matrix Spike								07/25/03 19:35
Iron	10.8	mg/L	0.0300	104	70	130			
Sample ID: B03071450-012BMSD2	Sample Matrix Spike Duplicate								07/25/03 19:39
Iron	11.4	mg/L	0.0300	110	70	130	5.0	20	
Sample ID: B03071458-003BMS2	Sample Matrix Spike								07/25/03 20:40
Iron	5.95	mg/L	0.0300	106	70	130			
Sample ID: B03071458-003BMSD2	Sample Matrix Spike Duplicate								07/25/03 20:44
Iron	6.05	mg/L	0.0300	109	70	130	1.7	20	
Sample ID: B03071472-001DMS2	Sample Matrix Spike								07/25/03 21:34
Iron	26.8	mg/L	0.0300	106	70	130			
Sample ID: B03071472-001DMSD2	Sample Matrix Spike Duplicate								07/25/03 21:38
Iron	26.2	mg/L	0.0300	104	70	130	2.0	20	
Sample ID: B03071474-006BMS2	Sample Matrix Spike								07/25/03 22:31
Iron	12.3	mg/L	0.0300	108	70	130			
Sample ID: B03071474-006BMSD2	Sample Matrix Spike Duplicate								07/25/03 22:35
Iron	12.4	mg/L	0.0300	110	70	130	1.2	20	

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R28737		
Sample ID: B03071474-006BMSD2			Sample Matrix Spike Duplicate				07/25/03 22:35		
Antimony	0.0001	mg/L	0.0001	100					
Barium	0.0001	mg/L	0.0001	100					
Bismuth	0.0001	mg/L	0.0001	100					
Boron	0.0001	mg/L	0.0001	100					
Bromine	0.0001	mg/L	0.0001	100					
Calcium	0.0001	mg/L	0.0001	100					
Chlorine	0.0001	mg/L	0.0001	100					
Cobalt	0.0001	mg/L	0.0001	100					
Copper	0.0001	mg/L	0.0001	100					
Fluoride	0.0001	mg/L	0.0001	100					
Iron	0.0001	mg/L	0.0001	100					
Manganese	0.0001	mg/L	0.0001	100					
Mercury	0.0001	mg/L	0.0001	100					
Molybdenum	0.0001	mg/L	0.0001	100					
Nickel	0.0001	mg/L	0.0001	100					
Phosphorus	0.0001	mg/L	0.0001	100					
Potassium	0.0001	mg/L	0.0001	100					
Selenium	0.0001	mg/L	0.0001	100					
Silver	0.0001	mg/L	0.0001	100					
Sulfate	0.0001	mg/L	0.0001	100					
Sulfur	0.0001	mg/L	0.0001	100					
Vanadium	0.0001	mg/L	0.0001	100					
Zinc	0.0001	mg/L	0.0001	100					
Laboratory Method: EPA 821.1									
Antimony	0.0001	mg/L	0.0001	100	60	60	100		
Barium	0.0001	mg/L	0.0001	100	100	60	100		
Bismuth	0.0001	mg/L	0.0001	100	60	60	100		
Boron	0.0001	mg/L	0.0001	100	60	60	100		
Bromine	0.0001	mg/L	0.0001	100	60	60	100		
Calcium	0.0001	mg/L	0.0001	100	60	60	100		
Chlorine	0.0001	mg/L	0.0001	100	60	60	100		
Cobalt	0.0001	mg/L	0.0001	100	60	60	100		
Copper	0.0001	mg/L	0.0001	100	60	60	100		
Fluoride	0.0001	mg/L	0.0001	100	60	60	100		
Iron	0.0001	mg/L	0.0001	100	60	60	100		
Manganese	0.0001	mg/L	0.0001	100	60	60	100		
Mercury	0.0001	mg/L	0.0001	100	60	60	100		
Molybdenum	0.0001	mg/L	0.0001	100	60	60	100		
Nickel	0.0001	mg/L	0.0001	100	60	60	100		
Phosphorus	0.0001	mg/L	0.0001	100	60	60	100		
Potassium	0.0001	mg/L	0.0001	100	60	60	100		
Selenium	0.0001	mg/L	0.0001	100	60	60	100		
Silver	0.0001	mg/L	0.0001	100	60	60	100		
Sulfate	0.0001	mg/L	0.0001	100	60	60	100		
Sulfur	0.0001	mg/L	0.0001	100	60	60	100		
Vanadium	0.0001	mg/L	0.0001	100	60	60	100		
Zinc	0.0001	mg/L	0.0001	100	60	60	100		
Laboratory Method: EPA 821.1									
Antimony	0.0001	mg/L	0.0001	100	70	70	100		
Barium	0.0001	mg/L	0.0001	100	70	70	100		
Bismuth	0.0001	mg/L	0.0001	100	70	70	100		
Boron	0.0001	mg/L	0.0001	100	70	70	100		
Bromine	0.0001	mg/L	0.0001	100	70	70	100		
Calcium	0.0001	mg/L	0.0001	100	70	70	100		
Chlorine	0.0001	mg/L	0.0001	100	70	70	100		
Cobalt	0.0001	mg/L	0.0001	100	70	70	100		
Copper	0.0001	mg/L	0.0001	100	70	70	100		
Fluoride	0.0001	mg/L	0.0001	100	70	70	100		
Iron	0.0001	mg/L	0.0001	100	70	70	100		
Manganese	0.0001	mg/L	0.0001	100	70	70	100		
Mercury	0.0001	mg/L	0.0001	100	70	70	100		
Molybdenum	0.0001	mg/L	0.0001	100	70	70	100		
Nickel	0.0001	mg/L	0.0001	100	70	70	100		
Phosphorus	0.0001	mg/L	0.0001	100	70	70	100		
Potassium	0.0001	mg/L	0.0001	100	70	70	100		
Selenium	0.0001	mg/L	0.0001	100	70	70	100		
Silver	0.0001	mg/L	0.0001	100	70	70	100		
Sulfate	0.0001	mg/L	0.0001	100	70	70	100		
Sulfur	0.0001	mg/L	0.0001	100	70	70	100		
Vanadium	0.0001	mg/L	0.0001	100	70	70	100		
Zinc	0.0001	mg/L	0.0001	100	70	70	100		

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R28734
Sample ID: LRB	Method Blank								07/25/03 09:22
Antimony	0.000275	mg/L	0.0500						
Arsenic	ND	mg/L	0.00500						
Barium	ND	mg/L	0.100						
Beryllium	ND	mg/L	0.00100						
Cadmium	ND	mg/L	0.00100						
Chromium	ND	mg/L	0.0100						
Cobalt	ND	mg/L	0.0100						
Copper	ND	mg/L	0.0100						
Lead	0.0000220	mg/L	0.0100						
Mercury	ND	mg/L	0.00100						
Nickel	ND	mg/L	0.0100						
Silver	0.000217	mg/L	0.00500						
Thallium	0.0000150	mg/L	0.100						
Vanadium	ND	mg/L	0.100						
Sample ID: LFB	Laboratory Fortified Blank								07/25/03 09:27
Antimony	0.0523	mg/L	0.0500	104	85	115			
Arsenic	0.0502	mg/L	0.00500	100	85	115			
Barium	0.0509	mg/L	0.100	102	85	115			
Beryllium	0.0484	mg/L	0.00100	96.7	85	115			
Cadmium	0.0499	mg/L	0.00100	99.7	85	115			
Chromium	0.0524	mg/L	0.0100	105	85	115			
Cobalt	0.0518	mg/L	0.0100	104	85	115			
Copper	0.0514	mg/L	0.0100	103	85	115			
Lead	0.0507	mg/L	0.0100	101	85	115			
Mercury	0.00111	mg/L	0.00100	111	85	115			
Nickel	0.0513	mg/L	0.0100	103	85	115			
Silver	0.0208	mg/L	0.00500	103	85	115			
Thallium	0.0505	mg/L	0.100	101	85	115			
Vanadium	0.0528	mg/L	0.100	106	85	115			
Sample ID: B03071396-001BMS	Sample Matrix Spike								07/25/03 09:54
Antimony	0.0571	mg/L	0.0500	111	70	130			
Arsenic	0.0743	mg/L	0.00500	122	70	130			
Barium	0.204	mg/L	0.100	94.8	70	130			
Beryllium	0.0513	mg/L	0.00100	103	70	130			
Cadmium	0.0514	mg/L	0.00100	103	70	130			
Chromium	0.0607	mg/L	0.0100	103	70	130			
Cobalt	0.0561	mg/L	0.0100	96.6	70	130			
Copper	0.0503	mg/L	0.0100	97.7	70	130			
Lead	0.0544	mg/L	0.0100	109	70	130			
Mercury	0.00120	mg/L	0.00100	119	70	130			
Nickel	0.0526	mg/L	0.0100	97.2	70	130			

Qualifiers: A - Analyte concentration greater than three times the spike amount
 ND - Not Detected at the Reporting Limit

 R - RPD outside of recommended recovery limits
 S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.
Project: Landfill

Report Date: 07/31/03
Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R28734		
Sample ID: B03071396-001BMS		Sample Matrix Spike					07/25/03 09:54		
Silver	0.0171	mg/L	0.00500	85.6	70	130			
Thallium	0.0785	mg/L	0.100	110	70	130			
Vanadium	0.0562	mg/L	0.100	107	70	130			
Sample ID: B03071396-001BMSD		Sample Matrix Spike Duplicate					07/25/03 10:00		
Antimony	0.0626	mg/L	0.0500	122	70	130	9.1	20	
Arsenic	0.0809	mg/L	0.00500	135	70	130	8.5	20	S
Barium	0.208	mg/L	0.100	102	70	130	1.8	20	
Beryllium	0.0553	mg/L	0.00100	111	70	130	7.5	20	
Cadmium	0.0569	mg/L	0.00100	114	70	130	10	20	
Chromium	0.0627	mg/L	0.0100	107	70	130	3.2	20	
Cobalt	0.0587	mg/L	0.0100	102	70	130	4.5	20	
Copper	0.0528	mg/L	0.0100	103	70	130	4.8	20	
Lead	0.0576	mg/L	0.0100	115	70	130	5.8	20	
Mercury	0.00138	mg/L	0.00100	137	70	130	14	20	S
Nickel	0.0545	mg/L	0.0100	101	70	130	3.5	20	
Silver	0.0204	mg/L	0.00500	102	70	130	17	20	
Thallium	0.0820	mg/L	0.100	117	70	130	0	20	
Vanadium	0.0574	mg/L	0.100	109	70	130	0	20	
Sample ID: B03071396-009BMS		Sample Matrix Spike					07/25/03 15:25		
Antimony	0.0585	mg/L	0.0500	117	70	130			
Barium	0.0797	mg/L	0.100	115	70	130			
Beryllium	0.0486	mg/L	0.00100	97.2	70	130			
Cadmium	0.0493	mg/L	0.00100	98.6	70	130			
Chromium	0.0671	mg/L	0.0100	119	70	130			
Cobalt	0.0707	mg/L	0.0100	111	70	130			
Copper	0.0547	mg/L	0.0100	103	70	130			
Lead	0.0541	mg/L	0.0100	108	70	130			
Mercury	0.00113	mg/L	0.00100	113	70	130			
Nickel	0.0622	mg/L	0.0100	111	70	130			
Thallium	0.0557	mg/L	0.100	110	70	130			
Vanadium	0.0626	mg/L	0.100	121	70	130			
Zinc	0.0526	mg/L	0.0100	93.4	70	130			
Sample ID: B03071396-009BMSD		Sample Matrix Spike Duplicate					07/25/03 15:30		
Antimony	0.0631	mg/L	0.0500	126	70	130	7.6	20	
Barium	0.0792	mg/L	0.100	114	70	130	0	20	
Beryllium	0.0512	mg/L	0.00100	102	70	130	5.2	20	
Cadmium	0.0538	mg/L	0.00100	108	70	130	8.7	20	
Chromium	0.0668	mg/L	0.0100	118	70	130	0.5	20	
Cobalt	0.0674	mg/L	0.0100	104	70	130	4.8	20	
Copper	0.0527	mg/L	0.0100	99.5	70	130	3.6	20	

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R28734		
Sample ID: B03071396-009BMSD			Sample Matrix Spike Duplicate				07/25/03 15:30		
Lead	0.0582	mg/L	0.0100	116	70	130	7.3	20	
Mercury	0.00119	mg/L	0.00100	119	70	130	5.3	20	
Nickel	0.0571	mg/L	0.0100	101	70	130	8.5	20	
Thallium	0.0596	mg/L	0.100	118	70	130	0	20	
Vanadium	0.0607	mg/L	0.100	117	70	130	0	20	
Zinc	0.0530	mg/L	0.0100	94.3	70	130	0.9	20	
Sample ID: B03071311-001BMS			Sample Matrix Spike				07/25/03 23:14		
Antimony	0.0538	mg/L	0.0500	107	70	130			
Arsenic	0.0525	mg/L	0.00500	103	70	130			
Barium	0.0702	mg/L	0.100	101	70	130			
Beryllium	0.0389	mg/L	0.00100	77.6	70	130			
Cadmium	0.0402	mg/L	0.00100	80.3	70	130			
Chromium	0.0565	mg/L	0.0100	101	70	130			
Cobalt	0.0477	mg/L	0.0100	88.8	70	130			
Copper	0.0486	mg/L	0.0100	80.5	70	130			
Lead	0.0512	mg/L	0.0100	102	70	130			
Mercury	0.00102	mg/L	0.00100	102	70	130			
Nickel	0.0552	mg/L	0.0100	81.5	70	130			
Selenium	0.0637	mg/L	0.00500	119	70	130			
Silver	0.0157	mg/L	0.00500	78.7	70	130			
Thallium	0.0525	mg/L	0.100	105	70	130			
Vanadium	0.0534	mg/L	0.100	102	70	130			
Zinc	0.0573	mg/L	0.0100	73	70	130			
Sample ID: B03071311-001BMSD			Sample Matrix Spike Duplicate				07/25/03 23:19		
Antimony	0.0545	mg/L	0.0500	109	70	130	1.3	20	
Arsenic	0.0524	mg/L	0.00500	103	70	130	0	20	
Barium	0.0695	mg/L	0.100	100	70	130	0	20	
Beryllium	0.0382	mg/L	0.00100	76.3	70	130	1.7	20	
Cadmium	0.0407	mg/L	0.00100	81.1	70	130	1.0	20	
Chromium	0.0543	mg/L	0.0100	96.5	70	130	4.0	20	
Cobalt	0.0445	mg/L	0.0100	82.4	70	130	6.9	20	
Copper	0.0460	mg/L	0.0100	75.2	70	130	5.6	20	
Lead	0.0516	mg/L	0.0100	103	70	130	0.8	20	
Mercury	0.00107	mg/L	0.00100	107	70	130	5.1	20	
Nickel	0.0514	mg/L	0.0100	74	70	130	7.0	20	
Selenium	0.0648	mg/L	0.00500	121	70	130	1.7	20	
Silver	0.0164	mg/L	0.00500	81.8	70	130	4.0	20	
Thallium	0.0525	mg/L	0.100	105	70	130	0	20	
Vanadium	0.0522	mg/L	0.100	99.8	70	130	0	20	
Zinc	0.0550	mg/L	0.0100	68.5	70	130	4.0	20	S

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting LimitR - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R28734		
Sample ID: B03071156-002BMS	Sample Matrix Spike						07/26/03 00:51		
Antimony	0.0577	mg/L	0.0500	94.1	70	130			
Arsenic	0.113	mg/L	0.00500	100	70	130			
Barium	0.126	mg/L	0.100	97	70	130			
Beryllium	0.0424	mg/L	0.00100	82.7	70	130			
Cadmium	0.0489	mg/L	0.00100	97.2	70	130			
Chromium	0.0468	mg/L	0.0100	93.5	70	130			
Cobalt	0.0469	mg/L	0.0100	92.3	70	130			
Copper	0.0554	mg/L	0.0100	90.4	70	130			
Lead	0.0625	mg/L	0.0100	98.6	70	130			
Mercury	0.000850	mg/L	0.00100	85	70	130			
Nickel	0.0473	mg/L	0.0100	92.4	70	130			
Thallium	0.0504	mg/L	0.100	100	70	130			
Vanadium	0.0483	mg/L	0.100	96.4	70	130			
Sample ID: B03071156-002BMSD	Sample Matrix Spike Duplicate						07/26/03 00:56		
Antimony	0.0577	mg/L	0.0500	94	70	130	0	20	
Arsenic	0.110	mg/L	0.00500	94.6	70	130	2.6	20	
Barium	0.125	mg/L	0.100	94.2	70	130	1.1	20	
Beryllium	0.0419	mg/L	0.00100	81.5	70	130	1.4	20	
Cadmium	0.0486	mg/L	0.00100	96.5	70	130	0.7	20	
Chromium	0.0457	mg/L	0.0100	91.4	70	130	2.3	20	
Cobalt	0.0460	mg/L	0.0100	90.6	70	130	1.9	20	
Copper	0.0546	mg/L	0.0100	88.8	70	130	1.5	20	
Lead	0.0622	mg/L	0.0100	98.1	70	130	0.4	20	
Mercury	0.000802	mg/L	0.00100	80.2	70	130	0	20	
Nickel	0.0470	mg/L	0.0100	91.8	70	130	0.7	20	
Thallium	0.0502	mg/L	0.100	100	70	130	0	20	
Vanadium	0.0467	mg/L	0.100	93.1	70	130	0	20	

Qualifiers: A - Analyte concentration greater than three times the spike amount
 ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
 S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R28857
Sample ID: LFB	Laboratory Fortified Blank								07/29/03 10:26
Chloride	5.41	mg/L	1.00	108	80	120			
Sulfate	19.0	mg/L	1.00	95.2	80	120			
Sample ID: B03071508-001A MS	Sample Matrix Spike								07/29/03 10:48
Chloride	120	mg/L	1.00	50.3	80	120			S
Sulfate	631	mg/L	2.65	103	80	120			
-The Chloride concentration is 4X greater than the concentration of the spike.									
Sample ID: B03071508-001A MSD	Sample Matrix Spike Duplicate								07/29/03 10:58
Chloride	120	mg/L	1.00	51.2	80	120	0.4	20	S
Sulfate	634	mg/L	2.65	105	80	120	0.5	20	
-The Chloride concentration is 4X greater than the concentration of the spike.									
Sample ID: B03071279-001A MS	Sample Matrix Spike								07/29/03 13:42
Chloride	54.9	mg/L	1.00	110	80	120			
Sulfate	273	mg/L	2.65	92.1	80	120			
Sample ID: B03071279-001A MSD	Sample Matrix Spike Duplicate								07/29/03 13:53
Chloride	55.0	mg/L	1.00	110	80	120	0.2	20	
Sulfate	274	mg/L	2.65	92.7	80	120	0.4	20	
Sample ID: B03071323-006A MS	Sample Matrix Spike								07/29/03 19:17
Chloride	152	mg/L	1.00	69.8	80	120			S
Sulfate	2140	mg/L	5.30	103	80	120			
-The Chloride concentration is 4X greater than the concentration of the spike.									
Sample ID: B03071323-006A MSD	Sample Matrix Spike Duplicate								07/29/03 19:28
Chloride	153	mg/L	1.00	70.6	80	120	0.6	20	S
Sulfate	2170	mg/L	5.30	111	80	120	1.5	20	
-The Chloride concentration is 4X greater than the concentration of the spike.									
Sample ID: B03071492-002A MS	Sample Matrix Spike								07/30/03 03:39
Chloride	59.3	mg/L	1.00	79.3	80	120			S
Sulfate	764	mg/L	2.65	103	80	120			
Sample ID: B03071492-002A MSD	Sample Matrix Spike Duplicate								07/30/03 03:50
Chloride	60.9	mg/L	1.00	82.4	80	120	2.6	20	
Sulfate	774	mg/L	2.65	108	80	120	1.3	20	

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting LimitR - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R28940
Sample ID: ICB	Method Blank								07/30/03 14:14
Chloride	ND	mg/L	1.00						
Sulfate	ND	mg/L	1.00						
Sample ID: LFB	Laboratory Fortified Blank								07/30/03 14:35
Chloride	4.08	mg/L	1.00	81.6	80	120			
Sulfate	16.0	mg/L	1.00	80	80	120			S
Sample ID: B03071340-002A MS	Sample Matrix Spike								07/30/03 15:05
Chloride	13.0	mg/L	1.00	88.5	80	120			
Sulfate	523	mg/L	1.00	123	80	120			S
-The Sulfate concentration is 4X greater than the spike concentration.									
Sample ID: B03071340-002A MSD	Sample Matrix Spike Duplicate								07/30/03 15:15
Chloride	12.6	mg/L	1.00	84.7	80	120	3.0	20	
Sulfate	526	mg/L	1.00	131	80	120	0.6	20	S
-The Sulfate concentration is 4X greater than the spike concentration.									
Sample ID: B03071429-001B MS	Sample Matrix Spike								07/30/03 17:47
Chloride	6.23	mg/L	1.00	92.5	80	120			
Sulfate	84.8	mg/L	1.00	101	80	120			
Sample ID: B03071429-001B MSD	Sample Matrix Spike Duplicate								07/30/03 17:58
Chloride	6.42	mg/L	1.00	96.3	80	120	3.0	20	
Sulfate	86.0	mg/L	1.00	106	80	120	1.4	20	
Sample ID: B03071480-004A MS	Sample Matrix Spike								07/30/03 20:09
Chloride	52.2	mg/L	1.00	101	80	120			
Sulfate	40.0	mg/L	1.00	95.2	80	120			
Sample ID: B03071480-004A MSD	Sample Matrix Spike Duplicate								07/30/03 20:19
Chloride	52.0	mg/L	1.00	97.9	80	120	0.3	20	
Sulfate	40.6	mg/L	1.00	98.2	80	120	1.5	20	
Sample ID: B03071504-004A MS	Sample Matrix Spike								07/30/03 22:51
Chloride	44.4	mg/L	1.00	105	80	120			
Sulfate	250	mg/L	1.00	102	80	120			
Sample ID: B03071504-004A MSD	Sample Matrix Spike Duplicate								07/30/03 23:01
Chloride	44.8	mg/L	1.00	114	80	120	0.9	20	
Sulfate	251	mg/L	1.00	108	80	120	0.4	20	
Sample ID: B03071634-001AMS	Sample Matrix Spike								07/31/03 00:22
Chloride	43.2	mg/L	1.00	83.5	80	120			
Sulfate	987	mg/L	2.65	90.1	80	120			

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R28940
Sample ID: B03071634-001AMSD	Sample Matrix Spike Duplicate								07/31/03 00:32
Chloride	43.8	mg/L	1.00	84.6	80	120	1.3	20	
Sulfate	999	mg/L	2.65	96.1	80	120	1.2	20	
Method: E335.4									Batch: 6814
Sample ID: B03071355-001AMS	Sample Matrix Spike								07/25/03 13:34
Cyanide, Total Manual Distillation	0.0974	mg/L	0.00500	97.4	80	120			
Sample ID: B03071355-001AMSD	Sample Matrix Spike Duplicate								07/25/03 13:36
Cyanide, Total Manual Distillation	0.0972	mg/L	0.00500	97.2	80	120	0.2	10	
Method: E353.2									Batch: 03072802-NN2
Sample ID: B03071390-001A MS	Sample Matrix Spike								07/28/03 15:53
Nitrogen, Nitrate+Nitrite as N	1.19	mg/L	0.0500	109	80	120			
Sample ID: B03071390-001A MSD	Sample Matrix Spike Duplicate								07/28/03 15:53
Nitrogen, Nitrate+Nitrite as N	1.20	mg/L	0.0500	110	80	120	0.6	10	
Sample ID: B03071409-002C MS	Sample Matrix Spike								07/28/03 16:02
Nitrogen, Nitrate+Nitrite as N	4.14	mg/L	0.0500	98.2	80	120			
Sample ID: B03071409-002C MSD	Sample Matrix Spike Duplicate								07/28/03 16:03
Nitrogen, Nitrate+Nitrite as N	4.13	mg/L	0.0500	96.8	80	120	0.3	10	
Sample ID: B03071428-001B MS	Sample Matrix Spike								07/28/03 16:12
Nitrogen, Nitrate+Nitrite as N	1.86	mg/L	0.0500	102	80	120			
Sample ID: B03071428-001B MSD	Sample Matrix Spike Duplicate								07/28/03 16:13
Nitrogen, Nitrate+Nitrite as N	1.85	mg/L	0.0500	101	80	120	0.2	10	
Sample ID: B03071307-001A MS	Sample Matrix Spike								07/28/03 16:22
Nitrogen, Nitrate+Nitrite as N	2.05	mg/L	0.0500	105	80	120			
Sample ID: B03071307-001A MSD	Sample Matrix Spike Duplicate								07/28/03 16:23
Nitrogen, Nitrate+Nitrite as N	2.04	mg/L	0.0500	104	80	120	0.5	10	

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 07/31/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R28939
Sample ID: MB-R28939	Method Blank								07/30/03 09:00
Oxygen Demand, Chemical (COD)	ND	mg/L	1.00						
Sample ID: LCS-R28939	Laboratory Control Spike								07/30/03 09:00
Oxygen Demand, Chemical (COD)	176	mg/L	1.00	94.1	90	110			
Sample ID: B03071017-001BMS	Sample Matrix Spike								07/30/03 09:00
Oxygen Demand, Chemical (COD)	64.8	mg/L	1.00	102	80	120			
Sample ID: B03071017-001BMSD	Sample Matrix Spike Duplicate								07/30/03 09:00
Oxygen Demand, Chemical (COD)	63.9	mg/L	1.00	98	80	120	1.4	10	
Sample ID: B03071408-001CMS	Sample Matrix Spike								07/30/03 09:00
Oxygen Demand, Chemical (COD)	21.5	mg/L	1.00	88.1	80	120			
Sample ID: B03071408-001CMSD	Sample Matrix Spike Duplicate								07/30/03 09:00
Oxygen Demand, Chemical (COD)	20.9	mg/L	1.00	85.7	80	120	2.8	10	

Qualifiers: A - Analyte concentration greater than three times the spike amount
 ND - Not Detected at the Reporting Limit

 R - RPD outside of recommended recovery limits
 S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.
Project: Landfill

Report Date: 08/01/03
Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R29032		
Sample ID: Ics073003	Laboratory Control Spike							07/30/03 13:12	
Acetone	52.4	ug/L	20.0	105	62	130			
Acrylonitrile	49.6	ug/L	20.0	99.2	60	130			
Benzene	4.84	ug/L	1.00	96.8	71	133			
Bromochloromethane	4.80	ug/L	1.00	96	68	131			
Bromodichloromethane	4.72	ug/L	1.00	94.4	67	138			
Bromoform	4.96	ug/L	1.00	99.2	64	136			
Bromomethane	4.72	ug/L	1.00	94.4	60	138			
Carbon disulfide	4.24	ug/L	1.00	84.8	46	145			
Carbon tetrachloride	4.72	ug/L	1.00	94.4	61	144			
Chlorobenzene	4.96	ug/L	1.00	99.2	78	136			
Chlorodibromomethane	4.76	ug/L	1.00	95.2	72	136			
Chloroethane	4.12	ug/L	1.00	82.4	64	136			
Chloroform	4.80	ug/L	1.00	96	69	133			
Chloromethane	5.56	ug/L	1.00	111	63	149			
1,2-Dibromo-3-chloropropane	4.64	ug/L	1.00	92.8	63	125			
1,2-Dibromoethane	4.84	ug/L	1.00	96.8	75	131			
Dibromomethane	4.96	ug/L	1.00	99.2	72	133			
1,2-Dichlorobenzene	5.16	ug/L	1.00	103	78	129			
1,4-Dichlorobenzene	5.20	ug/L	1.00	104	78	131			
trans-1,4-Dichloro-2-butene	3.17	ug/L	1.00	63.4	50	142			
Dichlorodifluoromethane	4.76	ug/L	1.00	95.2	55	141			
1,1-Dichloroethane	4.92	ug/L	1.00	98.4	72	130			
1,2-Dichloroethane	4.80	ug/L	1.00	96	57	146			
1,1-Dichloroethene	5.12	ug/L	1.00	102	66	142			
cis-1,2-Dichloroethene	4.92	ug/L	1.00	98.4	74	133			
trans-1,2-Dichloroethene	5.16	ug/L	1.00	103	76	138			
1,2-Dichloropropane	4.92	ug/L	1.00	98.4	72	135			
cis-1,3-Dichloropropene	4.96	ug/L	1.00	99.2	75	132			
trans-1,3-Dichloropropene	5.12	ug/L	1.00	102	77	145			
Ethylbenzene	4.96	ug/L	1.00	99.2	78	131			
2-Hexanone	48.8	ug/L	20.0	97.6	72	131			
Iodomethane	4.40	ug/L	1.00	88	66	132			
Methyl ethyl ketone	44.0	ug/L	20.0	88	55	145			
Methyl isobutyl ketone	48.4	ug/L	20.0	96.8	73	129			
Methylene chloride	5.28	ug/L	1.00	106	73	126			
Styrene	5.04	ug/L	1.00	101	76	134			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.00	98.4	75	135			
1,1,2,2-Tetrachloroethane	5.16	ug/L	1.00	103	72	132			
Tetrachloroethene	5.12	ug/L	1.00	102	78	137			
Toluene	4.92	ug/L	1.00	98.4	78	134			
1,1,1-Trichloroethane	4.80	ug/L	1.00	96	64	141			
1,1,2-Trichloroethane	4.92	ug/L	1.00	98.4	72	133			

Qualifiers: A - Analyte concentration greater than three times the spike amount
 ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
 S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.
Project: Landfill

Report Date: 08/01/03
Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R29032		
Sample ID: lcs073003	Laboratory Control Spike							07/30/03 13:12	
Trichloroethene	4.92	ug/L	1.00	98.4	75	138			
Trichlorofluoromethane	4.32	ug/L	1.00	86.4	58	139			
1,2,3-Trichloropropane	5.00	ug/L	1.00	100	67	133			
Vinyl acetate	4.92	ug/L	1.00	98.4	31	124			
Vinyl chloride	4.20	ug/L	1.00	84	66	140			
m+p-Xylenes	10.1	ug/L	1.00	101	78	133			
o-Xylene	5.04	ug/L	1.00	101	79	136			
Surr: 1,2-Dichloroethane-d4			1.00	102	70	130			
Surr: Dibromofluoromethane			1.00	114	77	126			
Surr: p-Bromofluorobenzene			1.00	113	76	127			
Surr: Toluene-d8			1.00	106	79	122			
Sample ID: mblk073003							Method Blank		
							07/30/03 14:24		
Acetone	ND	ug/L	20.0						
Acrylonitrile	ND	ug/L	20.0						
Benzene	ND	ug/L	1.00						
Bromochloromethane	ND	ug/L	1.00						
Bromodichloromethane	ND	ug/L	1.00						
Bromoform	ND	ug/L	1.00						
Bromomethane	ND	ug/L	1.00						
Carbon disulfide	ND	ug/L	1.00						
Carbon tetrachloride	ND	ug/L	1.00						
Chlorobenzene	ND	ug/L	1.00						
Chlorodibromomethane	ND	ug/L	1.00						
Chloroethane	ND	ug/L	1.00						
Chloroform	ND	ug/L	1.00						
Chloromethane	ND	ug/L	1.00						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.00						
1,2-Dibromoethane	ND	ug/L	1.00						
Dibromomethane	ND	ug/L	1.00						
1,2-Dichlorobenzene	ND	ug/L	1.00						
1,4-Dichlorobenzene	ND	ug/L	1.00						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.00						
Dichlorodifluoromethane	ND	ug/L	1.00						
1,1-Dichloroethane	ND	ug/L	1.00						
1,2-Dichloroethane	ND	ug/L	1.00						
1,1-Dichloroethene	ND	ug/L	1.00						
cis-1,2-Dichloroethene	ND	ug/L	1.00						
trans-1,2-Dichloroethene	ND	ug/L	1.00						
1,2-Dichloropropane	ND	ug/L	1.00						
cis-1,3-Dichloropropene	ND	ug/L	1.00						
trans-1,3-Dichloropropene	ND	ug/L	1.00						

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.
Project: Landfill

Report Date: 08/01/03
Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R29032		
Sample ID: mblk073003	Method Blank						07/30/03 14:24		
Ethylbenzene	ND	ug/L	1.00						
2-Hexanone	ND	ug/L	20.0						
Iodomethane	ND	ug/L	1.00						
Methyl ethyl ketone	ND	ug/L	20.0						
Methyl isobutyl ketone	ND	ug/L	20.0						
Methylene chloride	ND	ug/L	1.00						
Styrene	ND	ug/L	1.00						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00						
Tetrachloroethene	ND	ug/L	1.00						
Toluene	ND	ug/L	1.00						
1,1,1-Trichloroethane	ND	ug/L	1.00						
1,1,2-Trichloroethane	ND	ug/L	1.00						
Trichloroethene	ND	ug/L	1.00						
Trichlorofluoromethane	ND	ug/L	1.00						
1,2,3-Trichloropropane	ND	ug/L	1.00						
Vinyl acetate	ND	ug/L	1.00						
Vinyl chloride	ND	ug/L	1.00						
m+p-Xylenes	ND	ug/L	1.00						
o-Xylene	ND	ug/L	1.00						
Surr: 1,2-Dichloroethane-d4			1.00	99.6	70	130			
Surr: Dibromofluoromethane			1.00	110	77	126			
Surr: p-Bromofluorobenzene			1.00	110	76	127			
Surr: Toluene-d8			1.00	109	79	122			
Sample ID: B03071408-002Ems							07/30/03 20:13		
Sample Matrix Spike									
Acetone	109	ug/L	40.0	109	62	130			
Acrylonitrile	104	ug/L	40.0	104	60	130			
Benzene	11.0	ug/L	2.00	110	71	133			
Bromochloromethane	10.5	ug/L	2.00	105	68	131			
Bromodichloromethane	11.0	ug/L	2.00	110	67	138			
Bromoform	11.0	ug/L	2.00	110	64	136			
Bromomethane	8.24	ug/L	2.00	82.4	60	138			
Carbon disulfide	8.72	ug/L	2.00	87.2	46	145			
Carbon tetrachloride	10.8	ug/L	2.00	108	61	144			
Chlorobenzene	11.7	ug/L	2.00	117	78	136			
Chlorodibromomethane	11.4	ug/L	2.00	114	72	136			
Chloroethane	8.16	ug/L	2.00	81.6	64	136			
Chloroform	10.8	ug/L	2.00	108	69	133			
Chloromethane	10.6	ug/L	2.00	106	63	149			
1,2-Dibromo-3-chloropropane	10.3	ug/L	2.00	103	63	125			
1,2-Dibromoethane	11.4	ug/L	2.00	114	75	131			

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.
Project: Landfill

Report Date: 08/01/03
Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R29032		
Sample ID: B03071408-002Ems			Sample Matrix Spike				07/30/03 20:13		
Dibromomethane	11.8	ug/L	2.00	118	72	133			
1,2-Dichlorobenzene	11.5	ug/L	2.00	115	78	129			
1,4-Dichlorobenzene	11.8	ug/L	2.00	118	78	131			
trans-1,4-Dichloro-2-butene	7.70	ug/L	2.00	77	50	142			
Dichlorodifluoromethane	10.1	ug/L	2.00	101	55	141			
1,1-Dichloroethane	10.9	ug/L	2.00	109	72	130			
1,2-Dichloroethane	11.0	ug/L	2.00	110	57	146			
1,1-Dichloroethene	10.9	ug/L	2.00	109	66	142			
cis-1,2-Dichloroethene	11.0	ug/L	2.00	110	74	133			
trans-1,2-Dichloroethene	11.4	ug/L	2.00	114	76	138			
1,2-Dichloropropane	11.6	ug/L	2.00	116	72	135			
cis-1,3-Dichloropropene	11.4	ug/L	2.00	114	75	132			
trans-1,3-Dichloropropene	12.3	ug/L	2.00	123	77	145			
Ethylbenzene	11.6	ug/L	2.00	116	78	131			
2-Hexanone	108	ug/L	40.0	108	72	131			
Iodomethane	9.04	ug/L	2.00	90.4	66	132			
Methyl ethyl ketone	100	ug/L	40.0	100	55	145			
Methyl isobutyl ketone	104	ug/L	40.0	104	73	129			
Methylene chloride	11.3	ug/L	2.00	113	73	126			
Styrene	11.6	ug/L	2.00	116	76	134			
1,1,1,2-Tetrachloroethane	11.4	ug/L	2.00	114	75	135			
1,1,2,2-Tetrachloroethane	11.4	ug/L	2.00	114	72	132			
Tetrachloroethene	12.2	ug/L	2.00	122	78	137			
Toluene	11.8	ug/L	2.00	118	78	134			
1,1,1-Trichloroethane	10.9	ug/L	2.00	109	64	141			
1,1,2-Trichloroethane	11.6	ug/L	2.00	116	72	133			
Trichloroethene	11.4	ug/L	2.00	114	75	138			
Trichlorofluoromethane	9.36	ug/L	2.00	93.6	58	139			
1,2,3-Trichloropropane	11.4	ug/L	2.00	114	67	133			
Vinyl acetate	11.0	ug/L	2.00	110	31	124			
Vinyl chloride	7.90	ug/L	2.00	79	66	140			
m+p-Xylenes	23.7	ug/L	2.00	118	78	133			
o-Xylene	12.1	ug/L	2.00	121	79	136			
Surr: 1,2-Dichloroethane-d4			2.00	100	70	130			
Surr: Dibromofluoromethane			2.00	112	77	126			
Surr: p-Bromofluorobenzene			2.00	111	76	127			
Surr: Toluene-d8			2.00	114	79	122			
-The sample was diluted by 2 times before spiking.									
Sample ID: B03071408-002Emsd			Sample Matrix Spike Duplicate				07/30/03 21:18		
Acetone	115	ug/L	40.0	115	62	130	5.7	20	
Acrylonitrile	103	ug/L	40.0	103	60	130	0.8	20	
Benzene	10.2	ug/L	2.00	102	71	133	6.8	20	

Qualifiers: A - Analyte concentration greater than three times the spike amount
ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 08/01/03

Project: Landfill

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R29032
Sample ID: B03071408-002Emsd	Sample Matrix Spike Duplicate								07/30/03 21:18
Bromochloromethane	9.60	ug/L	2.00	96	68	131	8.8	20	
Bromodichloromethane	10.6	ug/L	2.00	106	67	138	3.7	20	
Bromoform	10.4	ug/L	2.00	104	64	136	6.0	20	
Bromomethane	9.12	ug/L	2.00	91.2	60	138	10	20	
Carbon disulfide	8.32	ug/L	2.00	83.2	46	145	4.7	20	
Carbon tetrachloride	10.3	ug/L	2.00	103	61	144	4.5	20	
Chlorobenzene	10.9	ug/L	2.00	109	78	136	7.1	20	
Chlorodibromomethane	11.0	ug/L	2.00	110	72	136	4.3	20	
Chloroethane	8.16	ug/L	2.00	81.6	64	136	0	20	
Chloroform	10.2	ug/L	2.00	102	69	133	6.1	20	
Chloromethane	11.4	ug/L	2.00	114	63	149	8.0	20	
1,2-Dibromo-3-chloropropane	9.92	ug/L	2.00	99.2	63	125	4.0	20	
1,2-Dibromoethane	10.8	ug/L	2.00	108	75	131	5.1	20	
Dibromomethane	11.2	ug/L	2.00	112	72	133	4.9	20	
1,2-Dichlorobenzene	10.6	ug/L	2.00	106	78	129	7.9	20	
1,4-Dichlorobenzene	10.6	ug/L	2.00	106	78	131	10	20	
trans-1,4-Dichloro-2-butene	8.72	ug/L	2.00	87.2	50	142	12	20	
Dichlorodifluoromethane	9.92	ug/L	2.00	99.2	55	141	1.6	20	
1,1-Dichloroethane	10.7	ug/L	2.00	107	72	130	1.5	20	
1,2-Dichloroethane	10.5	ug/L	2.00	105	57	146	4.5	20	
1,1-Dichloroethene	10.6	ug/L	2.00	106	66	142	2.2	20	
cis-1,2-Dichloroethene	10.3	ug/L	2.00	103	74	133	6.0	20	
trans-1,2-Dichloroethene	10.7	ug/L	2.00	107	76	138	5.8	20	
1,2-Dichloropropane	11.2	ug/L	2.00	112	72	135	3.5	20	
cis-1,3-Dichloropropene	11.3	ug/L	2.00	113	75	132	1.4	20	
trans-1,3-Dichloropropene	11.8	ug/L	2.00	118	77	145	4.7	20	
Ethylbenzene	10.9	ug/L	2.00	109	78	131	6.4	20	
2-Hexanone	114	ug/L	40.0	114	72	131	5.1	20	
Acetomethane	8.96	ug/L	2.00	89.6	66	132	0.9	20	
Methyl ethyl ketone	105	ug/L	40.0	105	55	145	4.7	20	
Methyl isobutyl ketone	108	ug/L	40.0	108	73	129	3.8	20	
Methylene chloride	10.6	ug/L	2.00	106	73	126	6.6	20	
Styrene	10.9	ug/L	2.00	109	76	134	6.4	20	
1,1,1,2-Tetrachloroethane	10.9	ug/L	2.00	109	75	135	4.3	20	
1,1,2,2-Tetrachloroethane	10.8	ug/L	2.00	108	72	132	5.8	20	
Tetrachloroethene	11.2	ug/L	2.00	112	78	137	8.2	20	
Toluene	10.8	ug/L	2.00	108	78	134	9.2	20	
1,1,1-Trichloroethane	10.3	ug/L	2.00	103	64	141	5.3	20	
1,1,2-Trichloroethane	11.1	ug/L	2.00	111	72	133	4.2	20	
Trichloroethene	9.68	ug/L	2.00	96.8	75	138	16	20	
Trichlorofluoromethane	8.88	ug/L	2.00	88.8	58	139	5.3	20	
1,2,3-Trichloropropane	10.4	ug/L	2.00	104	67	133	8.8	20	

Qualifiers: A - Analyte concentration greater than three times the spike amount
 ND - Not Detected at the Reporting Limit

 R - RPD outside of recommended recovery limits
 S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 08/01/03

Work Order: B03071408

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R29032		
Sample ID: B03071408-002Emsd	Sample Matrix Spike Duplicate							07/30/03 21:16	
Vinyl acetate	11.0	ug/L	2.00	110	31	124	0.7	20	
Vinyl chloride	8.80	ug/L	2.00	88	66	140	11	20	
m+p-Xylenes	22.2	ug/L	2.00	111	78	133	6.3	20	
o-Xylene	11.2	ug/L	2.00	112	79	136	7.6	20	
Surr: 1,2-Dichloroethane-d4			2.00	104	70	130			
Surr: Dibromofluoromethane			2.00	110	77	126			
Surr: p-Bromofluorobenzene			2.00	107	76	127			
Surr: Toluene-d8			2.00	112	79	122			

-The sample was diluted by 2 times before spiking.

Qualifiers: A - Analyte concentration greater than three times the spike amount
 ND - Not Detected at the Reporting Limit

R - RPD outside of recommended recovery limits
 S - Spike Recovery outside of recommended recovery limits

Sample Receipt Checklist

Client Name **SNTTN-INC**

Work Order Number **B03071408**

Checklist completed by Kristen Mosmiller
Signature

Date and Time Received: **7/24/2003**

Received by **klm**

Reviewed by _____
Initials

_____ Date

Carrier name UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4 °C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by klm

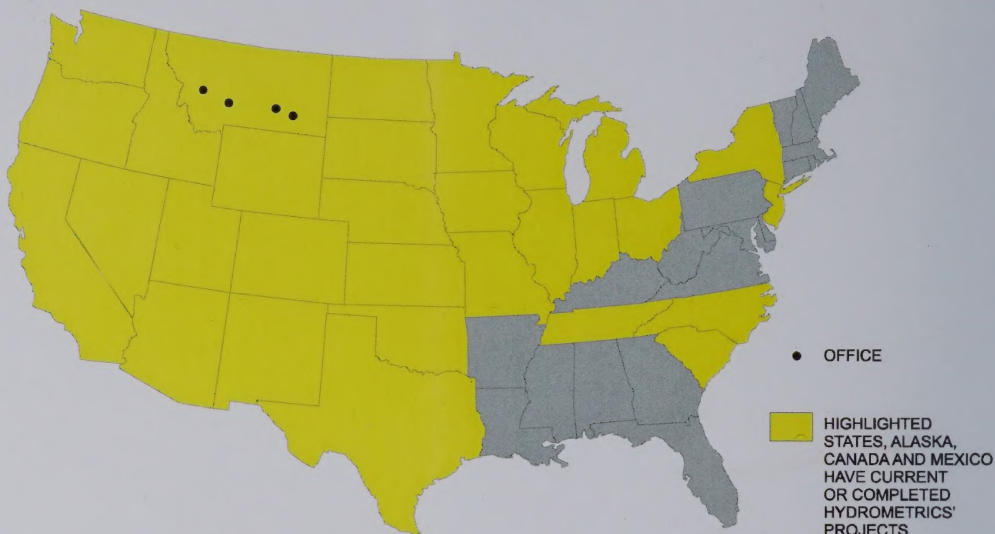
Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____



HYDROMETRICS, INC. MONTANA OFFICES

HELENA (Corporate)
3020 Bozeman Avenue
Helena, MT 59601
Phone: (406) 443-4150
FAX: (406) 443-4155

BILLINGS
5825 Lazy Lane
Billings, MT 59106
Phone: (406) 656-1172
FAX: (406) 656-8912

MISSOULA
667 East Beckwith
Missoula, MT 59801
Phone: (406) 721-8243
FAX: (406) 542-2619

COLSTRIP
P.O. Box 2136
Colstrip, MT 59323
Phone: (406) 748-5002

**SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
JUNE 2004 GROUNDWATER SAMPLING REPORT**

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc.
Consulting Scientists & Engineers 
3020 Bozeman Avenue
Helena, MT 59601

September 2004

RECEIVED

SEP 08 2004

with
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

September 8, 2004

F. Patrick Crowley
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RE: June 2004 Groundwater Monitoring Results
Sanitation, Inc. Landfill, Lewistown, MT

Dear Pat,

Hydrometrics, under contract to Barry Damschen Consulting, LLC, has prepared this letter report to transmit the results of the June 2004 groundwater monitoring at the Sanitation, Inc. Landfill in Lewistown, Montana. Sampling activities were conducted on June 21, 2004.

Groundwater Flow Results

Static water levels were measured in wells SIMW-1, SIMW-2, SIMW-3, and SIMW-4, and in piezometers SIP-1 and SIP-2 (Table 1). Monitoring locations and June 2004 groundwater elevations are shown on Figure 1, along with potentiometric contours based on the observed elevations.

Groundwater elevations in June 2004 were higher than those measured in October 2003 for wells on the north and west sides of the facility (SIMW-1, SIMW-2, SIMW-4, and SIP-2), and lower for wells on the eastern side of the facility (SIMW-3, SIP-1), as follows:

Well ID	Water Level Change (October 2003 to June 2004)
SIMW-1	+1.57 ft
SIMW-2	+0.13 ft
SIMW-3	-0.84 ft
SIMW-4	+8.06 ft
SIP-1	-1.62 ft
SIP-2	+2.93 ft

The estimated groundwater flow direction is generally to the north, and the estimated hydraulic gradient near well SIMW-3 is 0.12. The groundwater seepage velocity near well SIMW-3 can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the following formula:

$$V_s = KI/n_e$$

where V_s = seepage velocity (ft/day);

K = hydraulic conductivity (ft/day);

I = hydraulic gradient (dimensionless); and

n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-3 for June 2004 was 3.2 ft/day, similar to the estimate of 3.7 ft/day presented in the October 2002 data report (Hydrometrics, 2003). Prior to the installation of well SIMW-4 in August 2003 and subsequent data collection, estimated hydraulic gradients were considerably shallower, and thus estimated seepage velocities were lower (about 1 ft/day); installation of well SIMW-4 has allowed more accurate estimation of hydraulic gradients and seepage velocities.

Groundwater Quality Results

Water quality samples were collected from wells SIMW-1, SIMW-2, SIMW-3, and SIMW-4 by bailing. Quality control (QC) samples included a field duplicate (collected at SIMW-4), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Billings, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

All VOC concentrations were below laboratory reporting limits for all four wells sampled in June 2004. Results for selected inorganic and organic parameters are summarized in Table 2a for SIMW-1, Table 2b for SIMW-2, Table 2c for SIMW-3, and Table 2d for SIMW-4, along with summary statistics for the data period August 1995 through October 2003. In general, groundwater parameter concentrations were similar to values observed previously at each monitoring well. The dissolved iron concentration at SIMW-2 in June 2004 was <0.03 mg/L, a significant decrease from the October 2003 reported value of 1.5 mg/L.

The June 2004 sample was the second water quality sample collected at well SIMW-4. The June 2004 results for SIMW-4 were similar to the October 2003 results, with the exception of nitrate + nitrite, which increased from <0.05 mg/L in October 2003 to 0.63 mg/L in June 2004 (Table 2d; Attachment 1). Metals and VOCs were all below laboratory reporting limits (nickel was reported at a concentration equal to the detection limit of 0.01 mg/L). Compared with the other monitoring wells sampled during the June 2004 event, well SIMW-4 showed a relatively high concentration of chloride (161 mg/L, compared with 31 mg/L at SIMW-3, 58

mg/L at SIMW-2, and 24 mg/L at SIMW-1). In addition, as in October 2003, an elevated chemical oxygen demand (COD) of 39 mg/L was measured at SIMW-4, compared with 3 to 6 mg/L at the other monitoring wells sampled (Attachment 1).

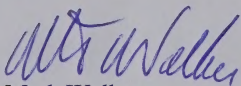
Figures 3a, 3b, and 3c show trend plots of chloride, sulfate, specific conductance (SC), nitrate + nitrite, and dissolved iron, selenium, zinc, and selected VOCs for wells SIMW-1, SIMW-2, and SIMW-3, respectively. No trend plots are included for well SIMW-4, since only two samples have been collected to date. While the data show some variability over time, in most cases current concentrations are similar to data collected in 1995. No consistent increasing trends are apparent, although in some cases concentrations have recently increased after an earlier period of decreases (e.g., nitrate + nitrite at SIMW-2, sulfate at SIMW-3). Dissolved metals concentrations have shown occasional spikes (in 1997 at well SIMW-2, and in 1999 at well SIMW-3). Typically, iron and zinc concentrations are at or near detection limits, while selenium concentrations are at or near detection limits at SIMW-2 and show averages of 0.016 mg/L at SIMW-1 and 0.025 mg/L at SIMW-3 (Tables 2a, 2b, 2c).

As an additional method to determine if groundwater concentrations are changing over time, the nonparametric Mann-Kendall test for trend (D.R. Helsel and R.M. Hirsch, 2002) was conducted on the data sets for wells SIMW-1, SIMW-2 and SIMW-3. Briefly stated, the test involves calculation of Kendall's S-statistic and Kendall's tau (τ), which is a measure of the strength of correlation between two variables. Statistical results are presented in Table 3. A significance level of $\alpha=0.05$ was selected for the test. The significance level of 0.05 is commonly used as a default level for statistical testing, and signifies a 5% chance that the test will conclude that there is a trend when in fact there is not. Note that, due to the prevalence of estimated values (values reported as present, but below reporting limits), the Mann-Kendall test was not conducted for organic parameters.

Statistically significant ($p<0.05$) trends were detected for two parameters: nitrate + nitrite and selenium at well SIMW-2 (Table 3). Both trends were decreasing (negative τ).

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150, ext. 146.

Sincerely,



Mark Walker
Chemist

Enclosures

c: Sanitation, Inc. Landfill
Barry Damschen Consulting, LLC

REFERENCES

- Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.
- Helsel, D.R. and R.M. Hirsch, 2002. *Statistical Methods in Water Resources*. Techniques of Water-Resources Investigations of the United States Geological Survey, Book 4, Chapter A3. September 2002.
- Hydrometrics, 2003. Sanitation, Inc. Landfill, Lewistown, Montana, Fall 2002 Groundwater Sampling Report. January, 2003.

TABLES

Table 1. Water Level Measurement Results

Well	June 2004 Static Water Level (ft bmp)	June 2004 Groundwater Elevation (ft)
SIMW-1	45.23	4092.65
SIMW-2	35.97	4087.74
SIMW-3	33.25	4077.66
SIMW-4	32.30	4045.77
SIP-1	37.02	4083.22
SIP-2	49.92	4101.42

NOTES: bmp = below measuring point

Table 2a. SIMW-1 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (µg/L)	1,1,1-trichloro- ethane (µg/L)	trichlorofluoro- methane (µg/L)
8/16/1995	26	95	958	4.49	<0.03	0.017	<0.01	0.65(j)	0.67(j)	0.49(j)
6/10/1996				4.24	<0.03	0.016	0.02	0.58(j)	0.34(j)	0.4(j)
6/3/1997	25	92	786	5.56	0.04	0.014	0.03	0.53(j)	0.77(j)	0.47(j)
11/4/1997	24	81	751	3.74	<0.03	0.019	0.02	0.68(j)	0.4(j)	0.33(j)
10/6/1998				5.52				0.54(j)	0.42(j)	0.37(j)
6/15/1999	23	77	686	4.04	<0.03	0.018	0.02	0.53(j)	0.43(j)	0.39(j)
10/6/1999	25	79	759	4.06	<0.03	0.017	0.04	0.54(j)	<1	<1
6/27/2000	22	70	755	3.6	<0.03	0.016	<0.01	0.59(j)	<1	<1
10/17/2000	30	98	756	2.82	<0.03	0.009	0.04	0.43(j)	0.33(j)	0.28(j)
7/22/2003	22	68	798	4.47	<0.03	0.018	0.03	0.38(j)	0.3(j)	0.23(j)
6/21/2004	24	79	845	3.88	<0.03	0.014	<0.01	<1	<1	<1
n	9	9	9	11	10	10	10	11	11	11
% BD	0%	0%	0%	0%	90%	0%	30%	9%	27%	27%
Average	25	82	788	4.22	0	0.016	0.023	0.586	0.605	0.542
Median	24	79	759	4.06	<0.03	0.017	0.02	0.54	0.43	0.4
Minimum	22	68	686	2.82	<0.03	0.009	<0.01	0.38	0.3	0.23
Maximum	30	98	958	5.56	0.04	0.019	0.04	1	<1	<1

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

Table 2b. SIMW-2 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
8/16/1995	55	224	1480	3.78	<0.03	0.006	<0.01
6/10/1996	47	195	1180	4.18	<0.03	0.008	<0.01
10/22/1996	62	214	1180	2.6	1.29	<0.005	0.03
6/3/1997	63	202	1040	2.11	0.06	0.014	0.06
11/4/1997	58	211	1110	3.95	<0.03	0.008	<0.01
6/16/1998	56	201	1150	2.32	0.05	0.005	0.02
10/6/1998	56	203	1140	3.97	0.05	0.006	0.02
6/15/1999	30	177	1170	3.26	<0.03	0.006	0.01
10/6/1999	50	193	1100	2.46	<0.03	0.006	0.08
6/27/2000	59	199	1100	2.57	<0.03	0.005	<0.01
10/17/2000	61	201	1130	1.93	<0.03	0.005	<0.01
7/6/2001	67	214	1140	1.05	<0.03	<0.005	0.01
10/30/2001	61	205	1170	0.94	0.08	<0.005	0.01
10/26/2002	62	216	1240	1.04	0.05	<0.005	0.02
7/22/2003	62	187	1140	1.3	<0.03	<0.005	<0.01
10/15/2003	63	211	1110	1.78	1.5	<0.005	<0.01
6/21/2004	58	211	1160	2.34	<0.03	<0.005	<0.01
n	17	17	17	17	17	17	17
% BD	0%	0%	0%	0%	59%	41%	47%
Average	57	204	1161	2.45	0	0.006	0.020
Median	59	203	1140	2.34	<0.03	0.005	0.01
Minimum	30	177	1040	0.94	<0.03	<0.005	<0.01
Maximum	67	224	1480	4.18	1.5	0.014	0.08

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

Table 2c. SIMW-3 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (µg/L)
8/16/1995	34	140	893	8.96	<0.03	0.021	<0.01	0.2(j)
6/10/1996	30	139	750	9.25	0.1	0.022	<0.01	<1
10/22/1996	34	133	706	9.09	0.03	0.019	<0.01	<1
6/3/1997	27	134	683	9.08	<0.03			<1
11/4/1997	30	131	767	9.35	<0.03	0.023	<0.01	<1
6/16/1998	23	129	739	12.2	0.24	0.019	<0.01	1.2
10/6/1998	25	128	731	11	<0.03	0.017	0.01	0.45(j)
6/15/1999	25	121	707	11.7	12.9	0.074	0.47	0.55(j)
10/6/1999	27	124	744	11.5	<0.03	0.019	0.02	<1
6/27/2000	30	135	797	10.1	<0.03	0.023	0.01	0.32(j)
10/17/2000	32	139	808	9.76	<0.03	0.024	0.01	0.3(j)
7/6/2001	36	135	870	8.79	<0.03	0.021	<0.01	0.34(j)
10/30/2001	35	134	866	10.7	<0.03	0.02	0.03	<1
10/26/2002	30	140	879	8.69	<0.03	0.025	0.02	<1
7/22/2003	30	135	811	9.72	0.77	0.022	<0.01	0.27(j)
10/15/2003	31	143	799	9.13	0.22	0.021	<0.01	0.33(j)
6/21/2004	31	143	802	8.06	0.34	0.021	<0.01	<1
n	17	17	17	17	17	16	15	16
% BD	0%	0%	0%	0%	59%	0%	60%	50%
Average	30	134	784	9.94	1	0.025	0.043	0.685
Median	30	134.5	782	9.54	<0.03	0.021	<0.01	<0.775
Minimum	23	121	683	8.69	<0.03	0.017	<0.01	0.2
Maximum	36	143	893	12.2	12.9	0.074	0.47	1.2

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

Table 2d. SIMW-4 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
10/15/2003	135	167	1370	<0.05	0.06	<0.005	<0.01
6/21/2004	161	152	1500	0.63	<0.03	<0.005	<0.01
n	2	2	2	2	2	2	2
% BD	0%	0%	0%	50%	50%	100%	100%
Average	148	160	1435	0.34	0	0.005	0.010
Median	148	159.5	1435	0.34	<0.045	0.005	<0.01
Minimum	135	152	1370	0.05	<0.03	0.005	<0.01
Maximum	161	167	1500	0.63	0.06	0.005	0.01

NOTES:

n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

Table 3. Statistical Test Results

Well	Parameter	Mann-Kendall Trend Test Results		
		S	τ	p
SIMW-1	chloride	-11	-0.31	0.289
	sulfate	-15	-0.42	0.142
	SC	4	0.11	0.754
	nitrate + nitrite	-21	-0.38	0.119
	Fe (diss)	-5	-0.11	0.486
	Se (diss)	-9	-0.20	0.467
	Zn (diss)	5	0.11	0.709
SIMW-2	chloride	43	0.32	0.082
	sulfate	1	0.01	1.000
	SC	-13	-0.10	0.619
	nitrate + nitrite	-68	-0.50	0.006
	Fe (diss)	0	0.00	1.000
	Se (diss)	-75	-0.55	0.001
	Zn (diss)	-22	-0.16	0.356
SIMW-3	chloride	22	0.16	0.379
	sulfate	31	0.23	0.214
	SC	48	0.35	0.053
	nitrate + nitrite	-18	-0.13	0.484
	Fe (diss)	15	0.11	0.516
	Se (diss)	13	0.11	0.583
	Zn (diss)	12	0.10	0.581

NOTE: **Bold** values indicate rejection of "no-trend" hypothesis at confidence level $\alpha = 0.05$ (i.e., $p < 0.05$).

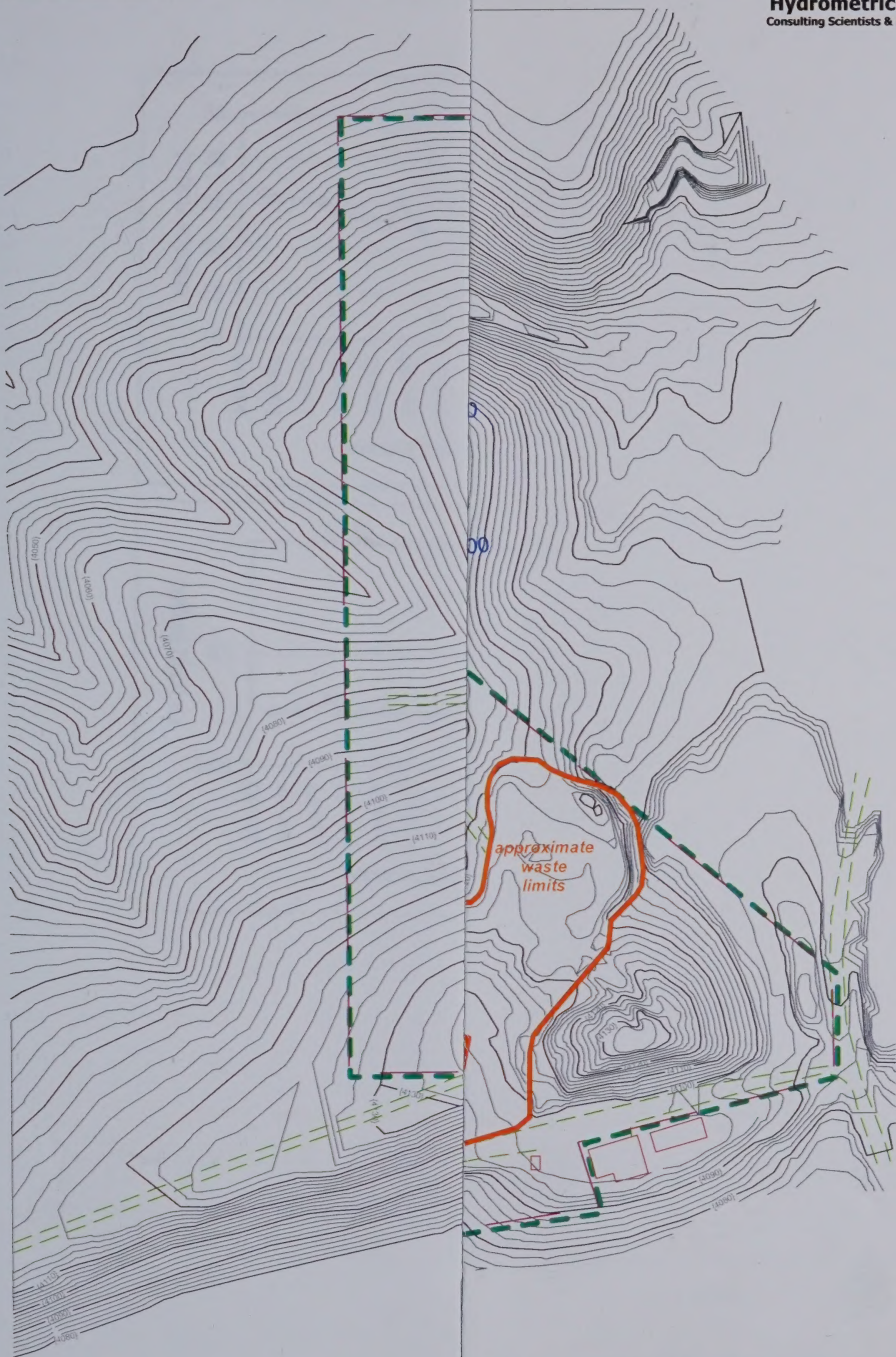
The Mann-Kendall test for trend is conducted according to methods presented in *Statistical Methods in Water Resources* by D.R. Helsel and R.M. Hirsch (2002). The test is a nonparametric method of assessing whether values over time tend to remain constant (null hypothesis) or tend to show an increasing or decreasing trend. The calculated statistics are as follows:

Kendall's S: compares each value in a data set to each subsequently collected value. S is an overall measure of whether subsequent values tend to be greater or less than a given value. If S is positive, subsequent values tend to be greater; if negative, subsequent values tend to be smaller. The closer S is to 0, the less evidence there is of any trend.

Kendall's tau: Kendall's tau is a correlation coefficient analogous to the more familiar Pearson's R. Tau can range from -1 to +1, with +1 indicating a strong increasing trend (increasing concentrations with time), and -1 indicating a strong negative trend (decreasing concentrations with time).

p-value: p-values are a measure of the significance of the above test statistics. Typically, when p is less than some established decision level α , then the null hypothesis (i.e., the assumption of no trend in this case) is rejected.

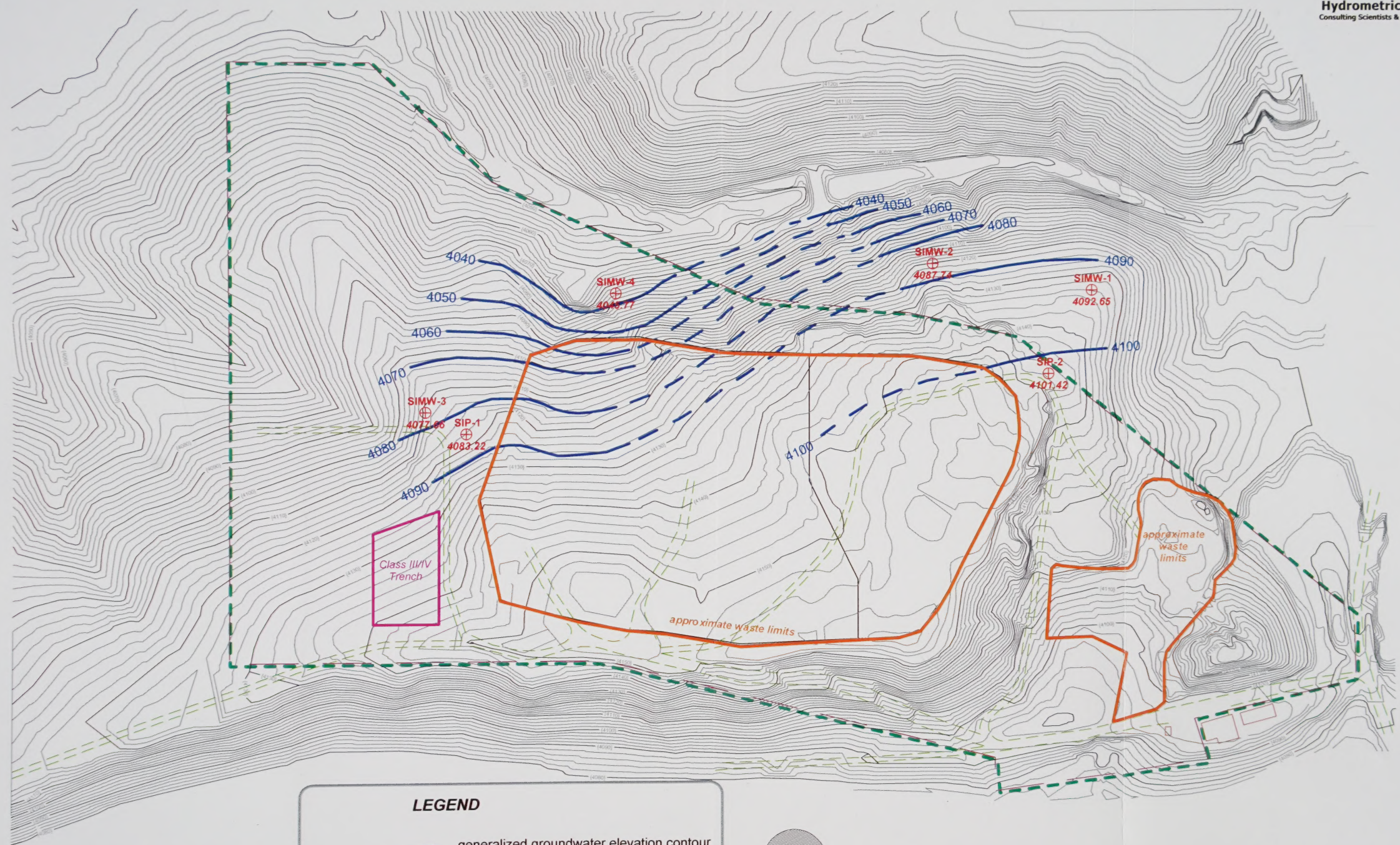
FIGURES



Groundwater Elevations and
Potentiometric Contours
Hydrometrics, Inc. Landfill
Site, Missoula, Montana

FIGURE

1



LEGEND

4080 — generalized groundwater elevation contour (dashed where inferred)

SIMW-3
⊕
4077.66 well/piezometer location with June 21, 2004 groundwater elevation

NORTH

0 200 400
Scale (ft)

June 2004 Groundwater Elevations and Generalized Potentiometric Contours Sanitation, Inc. Landfill Lewistown, Montana	FIGURE
	1

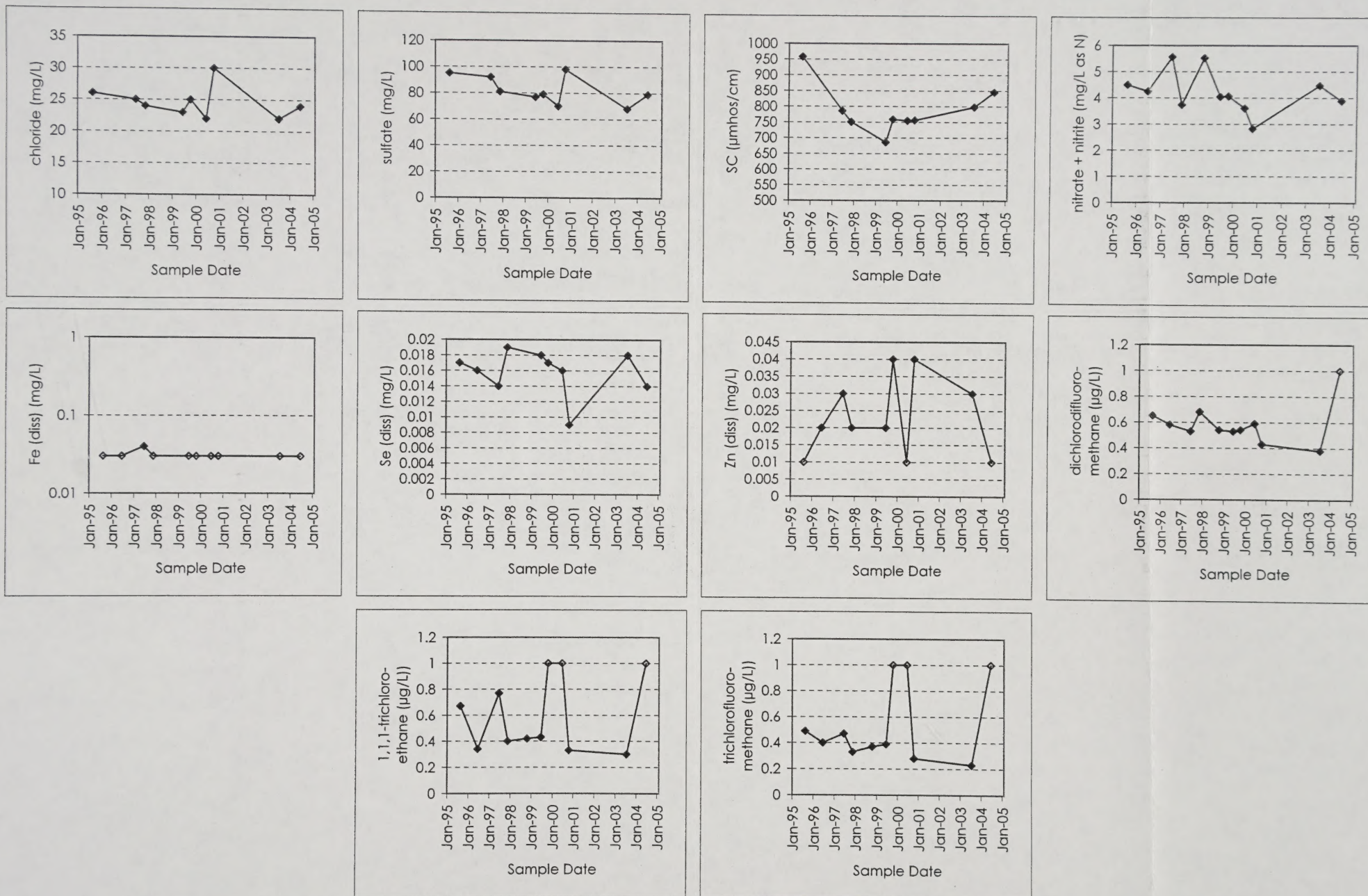
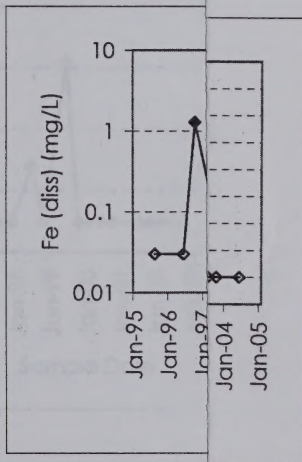
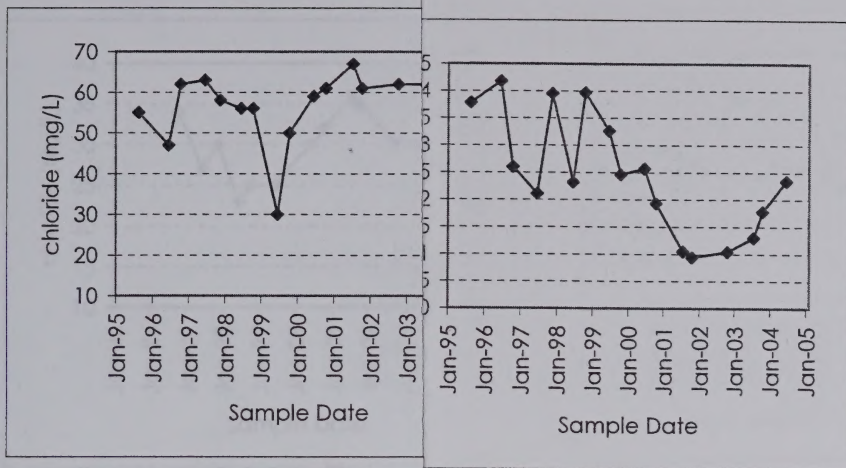


Figure 2a. SIMW-1 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below

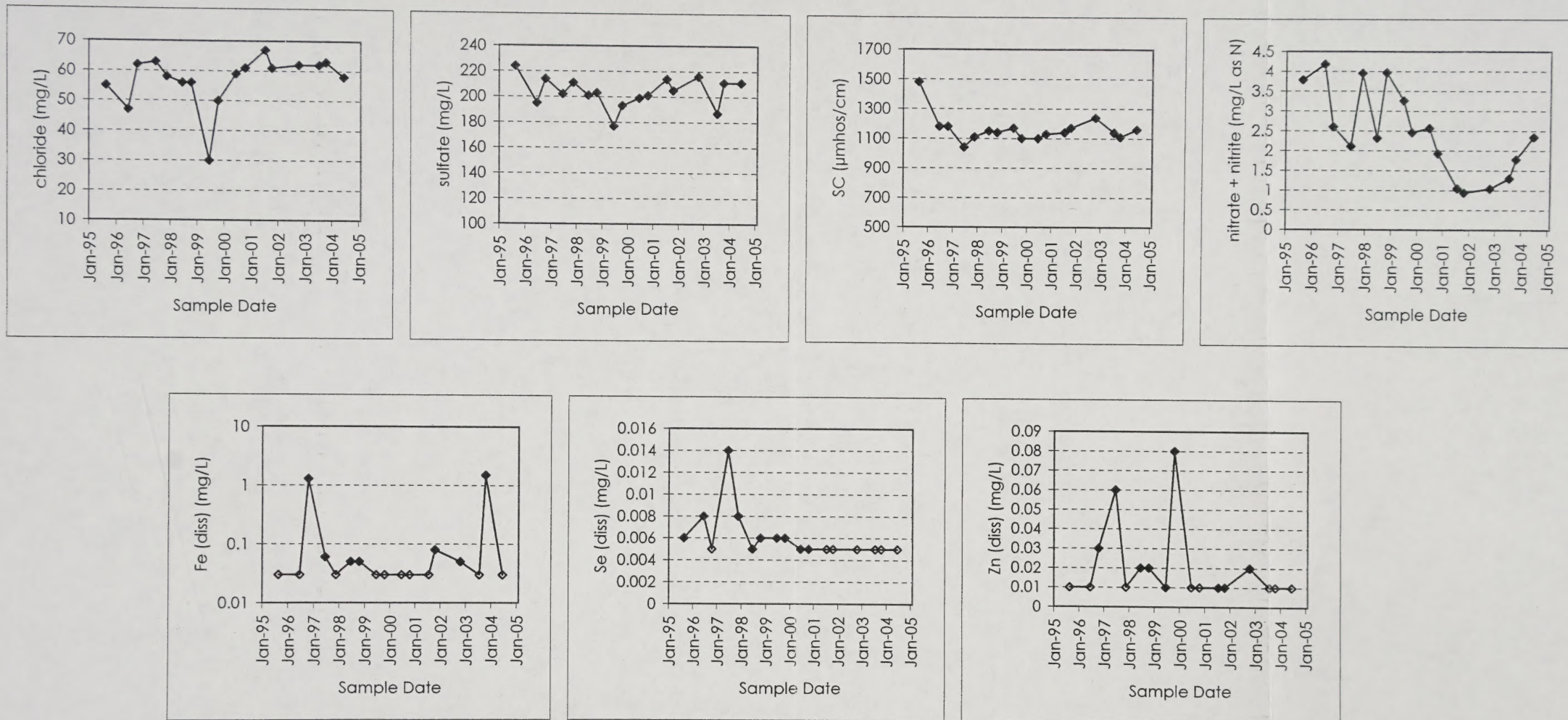
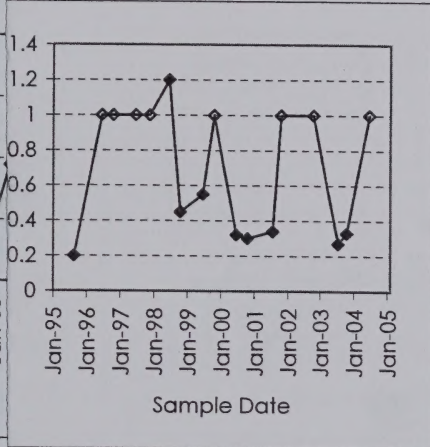
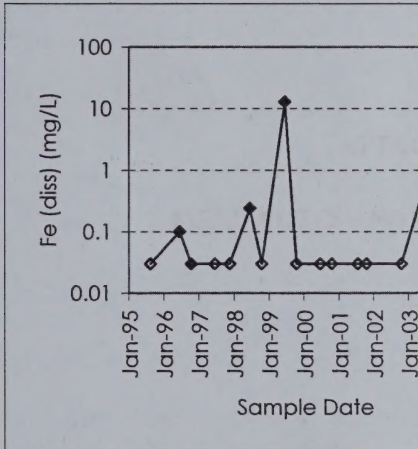
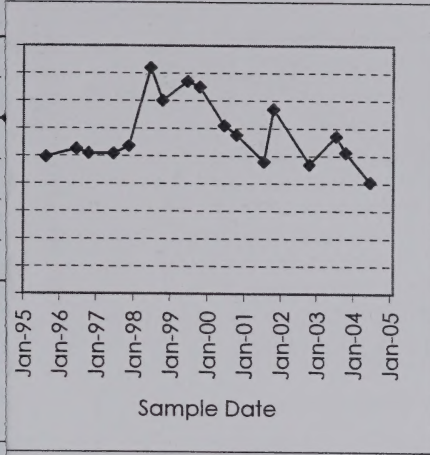
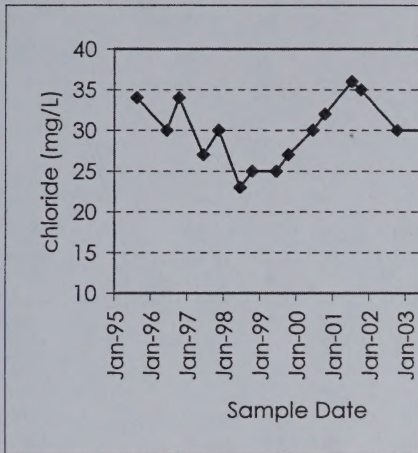


Figure 2b. SIMW-2 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below

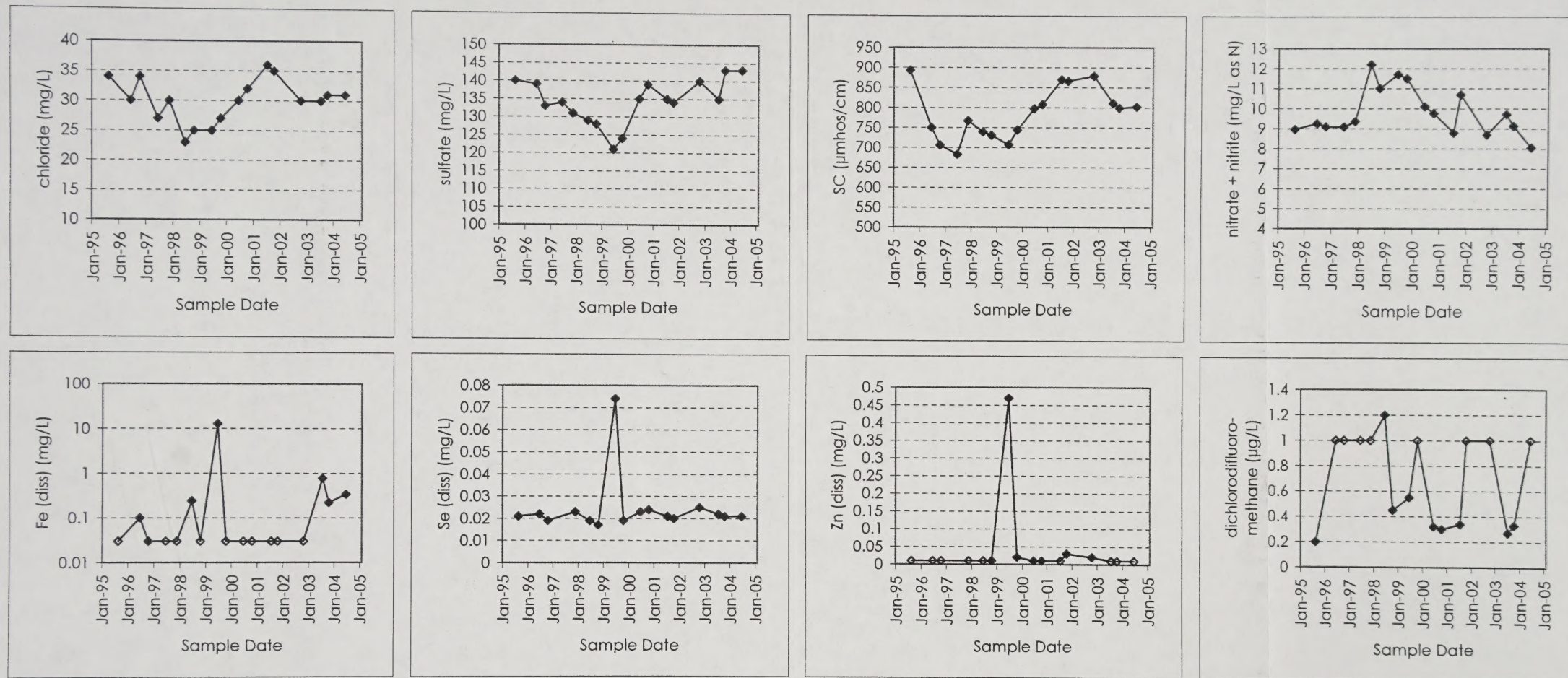


Figure 2c. SIMW-3 Water Quality Trends

NOTE: open symbols indicate value below detection limit

ATTACHMENT 1

FIELD NOTES AND LABORATORY REPORT

Company Name: BARA-1 DEANSCHU CONSTRUCTION			Project Name, PWS #, Permit #, Etc.: SANITATION FAC. LANDFILL																																																																																																																																																																																																																																	
Report Mail Address: 553 YORK ROAD HARTFORD, CT 06102			Contact Name, Phone, Fax, E-mail: BARA-1 DEANSCHU 461-5003							Sampler Name if other than Contact:																																																																																																																																																																																																																										
Invoice Address: Bill Spitzer SANITATION, Inc PO Box 882 LANCASTER, VT 05457			Invoice Contact & Phone #: Bill Spitzer 538-8767							Purchase Order #:		ELI Quote #:																																																																																																																																																																																																																								
Report Required For: POTW/WWTP ☐ DW ☐ Other MT DRG Solid Waste			Number of Containers Sample Type: A W S V B O Air Water Solids/Solids Vegetation Bioassay Other MT Solid Waste MT Solid Waste MT Solid Waste ANALYSIS REQUESTED SEE ATTACHED										Notify ELI prior to RUSH sample submittal for additional charges and scheduling		Receipt Temp _____ °C																																																																																																																																																																																																																					
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____													Comments:		Cooler ID(s) _____																																																																																																																																																																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)</th> <th style="width: 10%;">Collection Date</th> <th style="width: 10%;">Collection Time</th> <th style="width: 10%;">MATRIX</th> <th colspan="10"></th> </tr> </thead> <tbody> <tr><td>1 SMW-1</td><td>6-21-07</td><td>1245</td><td>6W</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2 SMW-2</td><td>6-21-07</td><td>1400</td><td>6W</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3 SMW-3</td><td>6-21-07</td><td>1500</td><td>6W</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4 SMW-4</td><td>6-21-07</td><td>1600</td><td>6W</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5 SMW-4D</td><td>6-21-07</td><td>1600</td><td>6W</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6 TRIP Blank</td><td>6-21-07</td><td></td><td>1W</td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX											1 SMW-1	6-21-07	1245	6W	X																	2 SMW-2	6-21-07	1400	6W	X																	3 SMW-3	6-21-07	1500	6W	X																	4 SMW-4	6-21-07	1600	6W	X																	5 SMW-4D	6-21-07	1600	6W	X																	6 TRIP Blank	6-21-07		1W		X																7																					8																					9																					10																					Custody Seal Y N	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX																																																																																																																																																																																																																																	
1 SMW-1	6-21-07	1245	6W	X																																																																																																																																																																																																																																
2 SMW-2	6-21-07	1400	6W	X																																																																																																																																																																																																																																
3 SMW-3	6-21-07	1500	6W	X																																																																																																																																																																																																																																
4 SMW-4	6-21-07	1600	6W	X																																																																																																																																																																																																																																
5 SMW-4D	6-21-07	1600	6W	X																																																																																																																																																																																																																																
6 TRIP Blank	6-21-07		1W		X																																																																																																																																																																																																																															
7																																																																																																																																																																																																																																				
8																																																																																																																																																																																																																																				
9																																																																																																																																																																																																																																				
10																																																																																																																																																																																																																																				
			Intact Y N																																																																																																																																																																																																																																	
			Signature Y N																																																																																																																																																																																																																																	
			Match																																																																																																																																																																																																																																	
			Lab ID																																																																																																																																																																																																																																	

LABORATORY USE ONLY

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.enerovlab.com for additional information, downloadable fee schedule, forms, & links.

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN Inc Landfill Well: SIN-1

Personnel: Barry Damschen

Date: 6-21-04 Time: 1245

Conditions: partly cloudy - breezy 60's

Static Water Level: 45.23 Total Depth Purged: 46.8

Purge Method: hand bailer Volume Purged: 2 gallon

	Volume	Temperature	Conductivity	pH
1.	<u>2 gallon</u>	<u>(21)</u>	<u>860</u>	<u>6.16</u>
2.				
3.				
4.				
5.				

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.03 time 20 sec depth: _____

Comments:

SIP-2 = 49.92

did not
make much
water

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN. Inc. Landfill Well: SIMU-2

Personnel: Barry Damschen

Date: 6.21.04 Time: 1400

Conditions: windy - sunny 70°

Static Water Level: 35.97 Total Depth Purged: 41

Purge Method: hand bail Volume Purged: 1 1/4

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/4 (day)</u>	<u></u>	<u>830</u>	<u>5.08</u>
2.	<u></u>	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>	<u></u>

Pumping Level: (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.5 time 6 sec depth:

40.5

Comments:

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SALITATION Inc Well: Simu-3
Personnel: Barry Damschen
Date: 6-21-04 Time: 1500
Conditions: cloudy - 70's windy
Static Water Level: ~~32.02~~ 33.25 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/4 gal</u>	<u>57.0</u>	<u>876</u>	<u>5.13</u>
2.	<u>1 3/4 gal</u>	<u>52.1</u>	<u>865</u>	<u>5.30</u>
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.03 time 1710 depth: 36.5

Comments:

SIP-1 37.02

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: San, Inc. LRI4 Well: SIMW-4, 40
Personnel: Barry Damschen
Date: 6-21-04 Time: 1600
Conditions: windy 70
Static Water Level: 32.30 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: 8 1/4 gal

	Volume	Temperature	Conductivity	pH
1.	<u>5 gal</u>		<u>1700</u>	<u>4.97</u>
2.	<u>6 gal</u>	<u>52.6</u>	<u>1660</u>	<u>5.13</u>
3.	<u>7 1/4 gal</u>	<u>50.4</u>	<u>1610</u>	<u>5.13 5.14</u>
4.	<u>8 1/4</u>	<u>50.4</u>	<u>1610 1640</u>	<u>5.17</u>
5.				

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 5 sec depth: 39

Comments:

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-001
Client Sample ID: SIMW-1

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		E150.1	06/24/04 16:38 / klc
Conductivity	845	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	24	mg/L		1		E300.0	06/28/04 21:57 / qed
Sulfate	79	mg/L		1		E300.0	06/28/04 21:57 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:04 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	3.88	mg/L		0.05		E353.2	06/28/04 14:56 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:10 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/02/04 03:04 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:10 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:15 / rth
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:10 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Copper	ND	mg/L		0.01		E200.7	06/30/04 12:15 / rth
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:15 / rth
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:10 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/01/04 06:10 / jjw
Selenium	0.014	mg/L		0.005		E200.8	07/01/04 06:10 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:10 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:10 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:10 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:15 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-001
Client Sample ID: SIMW-1

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 00:06 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-001
Client Sample ID: SIMW-1

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 00:06 / trr
Surr: 1,2-Dichloroethane-d4	87.6	%REC			70-130	SW8260B	06/30/04 00:06 / trr
Surr: Dibromofluoromethane	95.2	%REC			77-126	SW8260B	06/30/04 00:06 / trr
Surr: p-Bromofluorobenzene	91.2	%REC			76-127	SW8260B	06/30/04 00:06 / trr
Surr: Toluene-d8	95.6	%REC			79-122	SW8260B	06/30/04 00:06 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-002
Client Sample ID: SIMW-2

Report Date: 07/08/04
Collection Date: 06/21/04 14:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		E150.1	06/24/04 16:38 / klc
Conductivity	1160	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	58	mg/L		1		E300.0	06/28/04 22:55 / qed
Sulfate	211	mg/L	D	3		E300.0	06/28/04 22:55 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:06 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.34	mg/L		0.05		E353.2	06/28/04 14:57 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:45 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 06:45 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:45 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:19 / rlh
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:45 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Copper	ND	mg/L		0.01		E200.8	07/02/04 03:11 / jjw
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:19 / rlh
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:45 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/01/04 06:45 / jjw
Selenium	ND	mg/L		0.005		E200.8	07/01/04 06:45 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:45 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:45 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:45 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:19 / rlh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-002
Client Sample ID: SIMW-2

Report Date: 07/08/04
Collection Date: 06/21/04 14:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:03 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-002
Client Sample ID: SIMW-2

Report Date: 07/08/04
Collection Date: 06/21/04 14:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 15:03 / trr
Surr: 1,2-Dichloroethane-d4	90.4	%REC			70-130	SW8260B	06/30/04 15:03 / trr
Surr: Dibromofluoromethane	96.8	%REC			77-126	SW8260B	06/30/04 15:03 / trr
Surr: p-Bromofluorobenzene	95.6	%REC			76-127	SW8260B	06/30/04 15:03 / trr
Surr: Toluene-d8	96.8	%REC			79-122	SW8260B	06/30/04 15:03 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-003
Client Sample ID: SIMW-3

Report Date: 07/08/04
Collection Date: 06/21/04 15:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		E150.1	06/24/04 16:39 / klc
Conductivity	802	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	31	mg/L		1		E300.0	06/28/04 23:07 / qed
Sulfate	143	mg/L		1		E300.0	06/28/04 23:07 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:08 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	8.06	mg/L		0.05		E353.2	06/28/04 14:58 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:52 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 06:52 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:52 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:24 / rth
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:52 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Copper	ND	mg/L		0.01		E200.7	06/30/04 12:24 / rth
Iron	0.34	mg/L		0.03		E200.7	06/30/04 12:24 / rth
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:52 / jjw
Nickel	ND	mg/L		0.01		E200.8	07/01/04 06:52 / jjw
Selenium	0.021	mg/L		0.005		E200.8	07/02/04 03:18 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:52 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:52 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:52 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:24 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-003
Client Sample ID: SIMW-3

Report Date: 07/08/04
Collection Date: 06/21/04 15:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 15:37 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-003
Client Sample ID: SIMW-3

Report Date: 07/08/04
Collection Date: 06/21/04 15:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 15:37 / trr
Surr: 1,2-Dichloroethane-d4	90.4	%REC			70-130	SW8260B	06/30/04 15:37 / trr
Surr: Dibromofluoromethane	95.6	%REC			77-126	SW8260B	06/30/04 15:37 / trr
Surr: p-Bromofluorobenzene	92.8	%REC			76-127	SW8260B	06/30/04 15:37 / trr
Surr: Toluene-d8	96.8	%REC			79-122	SW8260B	06/30/04 15:37 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-004
Client Sample ID: SIMW-4

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	06/24/04 16:39 / klc
Conductivity	1500	umhos/cm		1		A2510 B	06/24/04 16:30 / klc
INORGANICS							
Chloride	161	mg/L		1		E300.0	06/28/04 23:19 / qed
Sulfate	152	mg/L	D	3		E300.0	06/28/04 23:19 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:15 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	39	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.63	mg/L		0.05		E353.2	06/28/04 14:58 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 06:59 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 06:59 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 06:59 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:28 / rlh
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 06:59 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Copper	ND	mg/L		0.01		E200.8	07/02/04 03:25 / jjw
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:28 / rlh
Lead	ND	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 06:59 / jjw
Nickel	0.01	mg/L		0.01		E200.8	07/01/04 06:59 / jjw
Selenium	ND	mg/L		0.005		E200.8	07/01/04 06:59 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 06:59 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 06:59 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 06:59 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:28 / rlh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-004
Client Sample ID: SIMW-4

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:11 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-004
Client Sample ID: SIMW-4

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 16:11 / trr
Surr: 1,2-Dichloroethane-d4	91.6	%REC			70-130	SW8260B	06/30/04 16:11 / trr
Surr: Dibromofluoromethane	96.0	%REC			77-126	SW8260B	06/30/04 16:11 / trr
Surr: p-Bromofluorobenzene	94.4	%REC			76-127	SW8260B	06/30/04 16:11 / trr
Surr: Toluene-d8	98.0	%REC			79-122	SW8260B	06/30/04 16:11 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-005
Client Sample ID: SIMW-4D

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	06/24/04 16:40 / klc
Conductivity	1490	umhos/cm		1		A2510 B	06/24/04 16:31 / klc
INORGANICS							
Chloride	164	mg/L		1		E300.0	06/29/04 12:24 / qed
Sulfate	149	mg/L		1		E300.0	06/29/04 12:24 / qed
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	06/25/04 12:17 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	39	mg/L		1		E410.4	06/30/04 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.64	mg/L		0.05		E353.2	06/28/04 14:59 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	07/01/04 07:06 / jjw
Arsenic	ND	mg/L		0.005		E200.8	07/01/04 07:06 / jjw
Barium	ND	mg/L		0.1		E200.8	07/01/04 07:06 / jjw
Beryllium	ND	mg/L		0.001		E200.7	06/30/04 12:32 / rh
Cadmium	ND	mg/L		0.001		E200.8	07/01/04 07:06 / jjw
Chromium	ND	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Cobalt	ND	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Copper	ND	mg/L		0.01		E200.8	07/02/04 04:01 / jjw
Iron	ND	mg/L		0.03		E200.7	06/30/04 12:32 / rh
Lead	ND	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Mercury	ND	mg/L		0.001		E200.8	07/01/04 07:06 / jjw
Nickel	0.01	mg/L		0.01		E200.8	07/01/04 07:06 / jjw
Selenium	ND	mg/L		0.005		E200.8	07/01/04 07:06 / jjw
Silver	ND	mg/L		0.005		E200.8	07/01/04 07:06 / jjw
Thallium	ND	mg/L		0.1		E200.8	07/01/04 07:06 / jjw
Vanadium	ND	mg/L		0.1		E200.8	07/01/04 07:06 / jjw
Zinc	ND	mg/L		0.01		E200.7	06/30/04 12:32 / rh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-005
Client Sample ID: SIMW-4D

Report Date: 07/08/04
Collection Date: 06/21/04 16:00
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 16:45 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.

Project: Sanitation Inc. Landfill

Lab ID: B04061901-005

Client Sample ID: SIMW-4D

Report Date: 07/08/04

Collection Date: 06/21/04 16:00

Date Received: 06/24/04

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 16:45 / trr
Surr: 1,2-Dichloroethane-d4	89.6	%REC			70-130	SW8260B	06/30/04 16:45 / trr
Surr: Dibromofluoromethane	96.0	%REC			77-126	SW8260B	06/30/04 16:45 / trr
Surr: p-Bromofluorobenzene	93.2	%REC			76-127	SW8260B	06/30/04 16:45 / trr
Surr: Toluene-d8	96.4	%REC			79-122	SW8260B	06/30/04 16:45 / trr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-006
Client Sample ID: Trip Blank

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Acrylonitrile	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Benzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromoform	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Bromomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chloroform	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Chloromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Dibromomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
2-Hexanone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Iodomethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/30/04 12:13 / trr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Styrene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill
Lab ID: B04061901-006
Client Sample ID: Trip Blank

Report Date: 07/08/04
Collection Date: 06/21/04 12:45
Date Received: 06/24/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Toluene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Trichloroethene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
o-Xylene	ND	ug/L		1.0		SW8260B	06/30/04 12:13 / trr
Surr: 1,2-Dichloroethane-d4	86.8	%REC			70-130	SW8260B	06/30/04 12:13 / trr
Surr: Dibromofluoromethane	93.6	%REC			77-126	SW8260B	06/30/04 12:13 / trr
Surr: p-Bromofluorobenzene	106	%REC			76-127	SW8260B	06/30/04 12:13 / trr
Surr: Toluene-d8	98.0	%REC			79-122	SW8260B	06/30/04 12:13 / trr

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43843		
Sample ID: LCS	Laboratory Control Spike							06/29/04 22:58	
Acetone	44.0	ug/L	20	88	62	130			
Acrylonitrile	52.0	ug/L	20	104	60	130			
Benzene	5.08	ug/L	1.0	102	71	133			
Bromochloromethane	4.36	ug/L	1.0	87.2	68	131			
Bromodichloromethane	4.52	ug/L	1.0	90.4	67	138			
Bromoform	4.60	ug/L	1.0	92	64	136			
Bromomethane	3.30	ug/L	1.0	66	60	138			
Carbon disulfide	5.80	ug/L	1.0	116	46	146			
Carbon tetrachloride	4.24	ug/L	1.0	84.8	61	144			
Chlorobenzene	5.04	ug/L	1.0	101	78	136			
Chlorodibromomethane	4.88	ug/L	1.0	97.6	72	136			
Chloroethane	5.20	ug/L	1.0	104	64	136			
Chloroform	4.68	ug/L	1.0	93.6	69	133			
Chloromethane	4.92	ug/L	1.0	98.4	63	149			
1,2-Dibromo-3-chloropropane	4.16	ug/L	1.0	83.2	63	125			
1,2-Dibromoethane	5.16	ug/L	1.0	103	75	131			
Dibromomethane	4.72	ug/L	1.0	94.4	72	133			
1,2-Dichlorobenzene	5.04	ug/L	1.0	101	78	129			
1,4-Dichlorobenzene	4.96	ug/L	1.0	99.2	78	132			
trans-1,4-Dichloro-2-butene	6.64	ug/L	1.0	133	50	142			
Dichlorodifluoromethane	4.72	ug/L	1.0	94.4	55	141			
1,1-Dichloroethane	4.80	ug/L	1.0	96	72	130			
1,2-Dichloroethane	4.48	ug/L	1.0	89.6	57	146			
1,1-Dichloroethene	5.04	ug/L	1.0	101	66	142			
cis-1,2-Dichloroethene	4.88	ug/L	1.0	97.6	74	133			
trans-1,2-Dichloroethene	5.32	ug/L	1.0	106	76	138			
1,2-Dichloropropane	5.36	ug/L	1.0	107	72	135			
cis-1,3-Dichloropropene	4.32	ug/L	1.0	86.4	75	132			
trans-1,3-Dichloropropene	4.44	ug/L	1.0	88.8	77	145			
Ethylbenzene	5.44	ug/L	1.0	109	78	131			
2-Hexanone	53.2	ug/L	20	106	72	131			
Iodomethane	6.04	ug/L	1.0	121	66	132			
Methyl ethyl ketone	44.0	ug/L	20	88	55	145			
Methyl isobutyl ketone	50.0	ug/L	20	100	73	129			
Methylene chloride	4.72	ug/L	1.0	94.4	73	126			
Styrene	5.24	ug/L	1.0	105	76	134			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.0	98.4	75	135			
1,1,2,2-Tetrachloroethane	5.44	ug/L	1.0	109	72	132			
Tetrachloroethene	4.88	ug/L	1.0	97.6	78	137			
Toluene	5.20	ug/L	1.0	104	78	134			

Qualifiers:
 RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43843
Sample ID: LCS	Laboratory Control Spike								06/29/04 22:58
1,1,1-Trichloroethane	4.24	ug/L	1.0	84.8	64	141			
1,1,2-Trichloroethane	5.52	ug/L	1.0	110	72	133			
Trichloroethene	4.60	ug/L	1.0	92	75	138			
Trichlorofluoromethane	5.04	ug/L	1.0	101	58	139			
1,2,3-Trichloropropane	4.48	ug/L	1.0	89.6	67	133			
Vinyl acetate	4.08	ug/L	1.0	81.6	42	120			
Vinyl chloride	4.72	ug/L	1.0	94.4	66	140			
m+p-Xylenes	10.7	ug/L	1.0	107	78	133			
o-Xylene	5.00	ug/L	1.0	100	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	87.2	70	130			
Surr: Dibromofluoromethane			1.0	96	77	126			
Surr: p-Bromofluorobenzene			1.0	93.6	76	127			
Surr: Toluene-d8			1.0	103	79	122			
Sample ID: BLANK	Method Blank								06/29/04 23:32
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43843
Sample ID: BLANK	Method Blank								06/29/04 23:32
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	86.4	70	130			
Surr: Dibromofluoromethane			1.0	94.8	77	126			
Surr: p-Bromofluorobenzene			1.0	91.2	76	127			
Surr: Toluene-d8			1.0	98.8	79	122			

Qualifiers:
 RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: LCS	Laboratory Control Spike							06/30/04 11:05	
Acetone	40.0	ug/L	20	80	62	130			
Acrylonitrile	103	ug/L	20	103	60	130			
Benzene	5.04	ug/L	1.0	101	71	133			
Bromochloromethane	4.16	ug/L	1.0	83.2	68	131			
Bromodichloromethane	4.60	ug/L	1.0	92	67	138			
Bromoform	4.92	ug/L	1.0	98.4	64	136			
Bromomethane	3.75	ug/L	1.0	75	60	138			
Carbon disulfide	12.4	ug/L	1.0	124	46	145			
Carbon tetrachloride	4.28	ug/L	1.0	85.6	61	144			
Chlorobenzene	5.16	ug/L	1.0	103	78	136			
Chlorodibromomethane	4.92	ug/L	1.0	98.4	72	136			
Chloroethane	5.52	ug/L	1.0	110	64	136			
Chloroform	4.68	ug/L	1.0	93.6	69	133			
Chloromethane	5.64	ug/L	1.0	113	63	149			
1,2-Dibromo-3-chloropropane	4.24	ug/L	1.0	84.8	63	125			
1,2-Dibromoethane	5.24	ug/L	1.0	105	75	131			
Dibromomethane	4.56	ug/L	1.0	91.2	72	133			
1,2-Dichlorobenzene	5.20	ug/L	1.0	104	78	129			
1,4-Dichlorobenzene	5.24	ug/L	1.0	105	78	131			
trans-1,4-Dichloro-2-butene	12.2	ug/L	1.0	122	50	142			
Dichlorodifluoromethane	4.92	ug/L	1.0	98.4	55	141			
1,1-Dichloroethane	4.88	ug/L	1.0	97.6	72	130			
1,2-Dichloroethane	4.20	ug/L	1.0	84	57	146			
1,1-Dichloroethene	5.16	ug/L	1.0	103	66	142			
cis-1,2-Dichloroethene	4.92	ug/L	1.0	98.4	74	133			
trans-1,2-Dichloroethene	5.56	ug/L	1.0	111	76	138			
1,2-Dichloropropane	5.60	ug/L	1.0	112	72	135			
cis-1,3-Dichloropropene	4.60	ug/L	1.0	92	75	132			
trans-1,3-Dichloropropene	4.56	ug/L	1.0	91.2	77	145			
Ethylbenzene	5.52	ug/L	1.0	110	78	131			
2-Hexanone	47.6	ug/L	20	95.2	72	131			
Iodomethane	12.5	ug/L	1.0	125	66	132			
Methyl ethyl ketone	40.0	ug/L	20	80	55	145			
Methyl isobutyl ketone	50.8	ug/L	20	102	73	129			
Methylene chloride	4.80	ug/L	1.0	96	73	126			
Styrene	5.24	ug/L	1.0	105	76	134			
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	97.6	75	135			
1,1,2,2-Tetrachloroethane	5.76	ug/L	1.0	115	72	132			
Tetrachloroethene	5.08	ug/L	1.0	102	78	137			
Toluene	5.36	ug/L	1.0	107	78	134			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: LCS	Laboratory Control Spike						06/30/04 11:05		
1,1,1-Trichloroethane	3.94	ug/L	1.0	78.7	64	141			
1,1,2-Trichloroethane	5.16	ug/L	1.0	103	72	133			
Trichloroethene	5.08	ug/L	1.0	102	75	138			
Trichlorofluoromethane	5.08	ug/L	1.0	102	58	139			
1,2,3-Trichloropropane	4.80	ug/L	1.0	96	67	133			
Vinyl chloride	5.36	ug/L	1.0	107	66	140			
m+p-Xylenes	11.0	ug/L	1.0	110	78	133			
o-Xylene	5.12	ug/L	1.0	102	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	85.2	70	130			
Surr: Dibromofluoromethane			1.0	94.4	77	126			
Surr: p-Bromofluorobenzene			1.0	95.6	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: BLANK	Method Blank						06/30/04 11:39		
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43860
Sample ID: BLANK	Method Blank								06/30/04 11:39
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	85.6	70	130			
Surr: Dibromofluoromethane			1.0	92.4	77	126			
Surr: p-Bromofluorobenzene			1.0	90.8	76	127			
Surr: Toluene-d8			1.0	99.2	79	122			
Sample ID: B04061901-001EMS	Sample Matrix Spike								07/01/04 15:17
Acetone	41.6	ug/L	20	83.2	62	130			
Acrylonitrile	52.0	ug/L	20	104	60	130			
Benzene	5.20	ug/L	1.0	104	71	133			
Bromochloromethane	4.28	ug/L	1.0	85.6	68	131			
Bromodichloromethane	4.84	ug/L	1.0	96.8	67	138			
Bromoform	4.96	ug/L	1.0	99.2	64	136			
Bromomethane	3.32	ug/L	1.0	66.4	60	133			
Carbon disulfide	5.92	ug/L	1.0	118	46	145			
Carbon tetrachloride	4.44	ug/L	1.0	88.8	61	144			
Chlorobenzene	5.24	ug/L	1.0	105	78	136			
Chlorodibromomethane	5.16	ug/L	1.0	103	72	136			
Chloroethane	4.96	ug/L	1.0	99.2	64	136			
Chloroform	4.92	ug/L	1.0	98.4	69	133			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R43860
Sample ID: B04061901-001EMS	Sample Matrix Spike								07/01/04 15:17
Chloromethane	5.24	ug/L	1.0	105	63	149			
1,2-Dibromo-3-chloropropane	4.72	ug/L	1.0	94.4	63	125			
1,2-Dibromoethane	5.36	ug/L	1.0	107	75	131			
Dibromomethane	4.80	ug/L	1.0	96	72	133			
1,2-Dichlorobenzene	5.28	ug/L	1.0	106	78	129			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	78	131			
trans-1,4-Dichloro-2-butene	4.52	ug/L	1.0	90.4	50	142			
Dichlorodifluoromethane	4.68	ug/L	1.0	93.6	55	141			
1,1-Dichloroethane	4.96	ug/L	1.0	99.2	72	130			
1,2-Dichloroethane	4.72	ug/L	1.0	94.4	57	146			
1,1-Dichloroethene	5.16	ug/L	1.0	103	66	142			
cis-1,2-Dichloroethene	5.04	ug/L	1.0	101	74	133			
trans-1,2-Dichloroethene	5.36	ug/L	1.0	107	76	138			
1,2-Dichloropropane	5.64	ug/L	1.0	113	72	135			
cis-1,3-Dichloropropene	4.04	ug/L	1.0	80.8	75	132			
trans-1,3-Dichloropropene	4.72	ug/L	1.0	94.4	77	145			
Ethylbenzene	5.36	ug/L	1.0	107	78	131			
2-Hexanone	52.0	ug/L	20	104	72	131			
Iodomethane	6.04	ug/L	1.0	121	66	132			
Methyl ethyl ketone	42.8	ug/L	20	85.6	55	145			
Methyl isobutyl ketone	46.8	ug/L	20	93.6	73	129			
Methylene chloride	5.24	ug/L	1.0	105	73	126			
Styrene	5.32	ug/L	1.0	106	76	134			
1,1,1,2-Tetrachloroethane	5.20	ug/L	1.0	104	75	135			
1,1,2,2-Tetrachloroethane	5.96	ug/L	1.0	119	72	132			
Tetrachloroethene	5.16	ug/L	1.0	103	78	137			
Toluene	5.36	ug/L	1.0	107	78	134			
1,1,1-Trichloroethane	4.32	ug/L	1.0	86.4	64	141			
1,1,2-Trichloroethane	5.92	ug/L	1.0	118	72	133			
Trichloroethene	5.20	ug/L	1.0	104	75	138			
Trichlorofluoromethane	5.24	ug/L	1.0	105	58	139			
1,2,3-Trichloropropane	5.24	ug/L	1.0	105	67	133			
Vinyl acetate	4.00	ug/L	1.0	80	31	124			
Vinyl chloride	4.88	ug/L	1.0	97.6	66	140			
m+p-Xylenes	10.3	ug/L	1.0	103	78	133			
o-Xylene	5.20	ug/L	1.0	104	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	92.4	70	130			
Surr: Dibromofluoromethane			1.0	99.2	77	126			
Surr: p-Bromofluorobenzene			1.0	97.6	76	127			
Surr: Toluene-d8			1.0	104	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: B04061901-001EMSD	Sample Matrix Spike Duplicate							07/01/04 15:51	
Acetone	38.8	ug/L	20	77.7	62	130	6.9	20	
Acrylonitrile	51.2	ug/L	20	102	60	130	1.6	20	
Benzene	5.24	ug/L	1.0	105	71	133	0.8	20	
Bromochloromethane	4.36	ug/L	1.0	87.2	68	131	1.9	20	
Bromodichloromethane	4.80	ug/L	1.0	96	67	138	0.8	20	
Bromoform	4.64	ug/L	1.0	92.8	64	136	6.7	20	
Bromomethane	3.58	ug/L	1.0	71.7	60	138	7.6	20	
Carbon disulfide	5.88	ug/L	1.0	118	46	145	0.7	20	
Carbon tetrachloride	4.40	ug/L	1.0	88	61	144	0.9	20	
Chlorobenzene	5.12	ug/L	1.0	102	78	136	2.3	20	
Chlorodibromomethane	5.12	ug/L	1.0	102	72	136	0.8	20	
Chloroethane	5.32	ug/L	1.0	106	64	136	7.0	20	
Chloroform	4.84	ug/L	1.0	96.8	69	133	1.6	20	
Chloromethane	5.08	ug/L	1.0	102	63	149	3.1	20	
1,2-Dibromo-3-chloropropane	4.40	ug/L	1.0	88	63	125	7.0	20	
1,2-Dibromoethane	5.28	ug/L	1.0	106	75	131	1.5	20	
Dibromomethane	4.92	ug/L	1.0	98.4	72	133	2.5	20	
1,2-Dichlorobenzene	5.16	ug/L	1.0	103	78	129	2.3	20	
1,4-Dichlorobenzene	5.08	ug/L	1.0	102	78	131	2.3	20	
trans-1,4-Dichloro-2-butene	4.72	ug/L	1.0	94.4	50	142	4.3	20	
Dichlorodifluoromethane	4.76	ug/L	1.0	95.2	55	141	1.7	20	
1,1-Dichloroethane	5.04	ug/L	1.0	101	72	130	1.6	20	
1,2-Dichloroethane	4.56	ug/L	1.0	91.2	57	146	3.4	20	
1,1-Dichloroethene	5.20	ug/L	1.0	104	66	142	0.8	20	
cis-1,2-Dichloroethene	5.04	ug/L	1.0	101	74	133	0	20	
trans-1,2-Dichloroethene	5.40	ug/L	1.0	108	76	138	0.7	20	
1,2-Dichloropropane	5.60	ug/L	1.0	112	72	135	0.7	20	
cis-1,3-Dichloropropene	4.04	ug/L	1.0	80.8	75	132	0	20	
trans-1,3-Dichloropropene	4.76	ug/L	1.0	95.2	77	145	0.8	20	
Ethylbenzene	5.44	ug/L	1.0	109	78	131	1.5	20	
2-Hexanone	50.8	ug/L	20	102	72	131	2.3	20	
Iodomethane	6.04	ug/L	1.0	121	66	132	0	20	
Methyl ethyl ketone	42.4	ug/L	20	84.8	55	145	0.9	20	
Methyl isobutyl ketone	47.6	ug/L	20	95.2	73	129	1.7	20	
Methylene chloride	5.20	ug/L	1.0	104	73	126	0.8	20	
Styrene	5.24	ug/L	1.0	105	76	134	1.5	20	
1,1,1,2-Tetrachloroethane	5.20	ug/L	1.0	104	75	135	0	20	
1,1,2,2-Tetrachloroethane	5.76	ug/L	1.0	115	72	132	3.4	20	
Tetrachloroethene	5.24	ug/L	1.0	105	78	137	1.5	20	
Toluene	5.40	ug/L	1.0	108	78	134	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
 Project: Sanitation Inc. Landfill

Report Date: 07/02/04
 Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R43860		
Sample ID: B04061901-001EMSD Sample Matrix Spike Duplicate							07/01/04 15:51		
1,1,1-Trichloroethane	4.52	ug/L	1.0	90.4	64	141	4.5	20	
1,1,2-Trichloroethane	5.68	ug/L	1.0	114	72	133	4.1	20	
Trichloroethene	4.92	ug/L	1.0	98.4	75	138	5.5	20	
Trichlorofluoromethane	5.36	ug/L	1.0	107	58	139	2.3	20	
1,2,3-Trichloropropane	4.64	ug/L	1.0	92.8	67	133	12	20	
Vinyl acetate	3.86	ug/L	1.0	77.3	31	124	3.5	20	
Vinyl chloride	5.00	ug/L	1.0	100	66	140	2.4	20	
m+p-Xylenes	10.6	ug/L	1.0	106	78	133	3.1	20	
o-Xylene	5.16	ug/L	1.0	103	79	136	0.8	20	
Surr: 1,2-Dichloroethane-d4			1.0	90	70	130			
Surr: Dibromofluoromethane			1.0	96	77	126			
Surr: p-Bromofluorobenzene			1.0	94.4	76	127			
Surr: Toluene-d8			1.0	104	79	122			

Qualifiers:
 RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Batch: PHSC040624A		
Sample ID: PHC10520	Laboratory Control Spike								06/24/04 08:32
Conductivity	150	umhos/cm	1.0	99.4	90	110			
Sample ID: PHC10518	Laboratory Control Spike								06/24/04 08:33
Conductivity	4870	umhos/cm	1.0	97.4	90	110			
Sample ID: DIH2O	Method Blank								06/24/04 08:39
Conductivity	ND	umhos/cm	1.0						
Sample ID: B04061835-006A	Sample Duplicate								06/24/04 10:32
Conductivity	624	umhos/cm	1.0				1.5	10	
Sample ID: B04061864-008A	Sample Duplicate								06/24/04 11:59
Conductivity	1110	umhos/cm	1.0				1.8	10	
Sample ID: B04061870-006B	Sample Duplicate								06/24/04 12:18
Conductivity	4070	umhos/cm	1.0				8.2	10	
Sample ID: B04061900-002A	Sample Duplicate								06/24/04 15:55
Conductivity	1800	umhos/cm	1.0				1.1	10	
Sample ID: B04061906-001B	Sample Duplicate								06/24/04 16:33
Conductivity	3280	umhos/cm	1.0				0.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E150.1							Batch: PHSC040624A		
Sample ID: PHC10601	Laboratory Control Spike								06/24/04 08:31
pH	7.00	s.u.	0.10	100	90	110			
Sample ID: PHC10508	Laboratory Control Spike								06/24/04 08:36
pH	4.00	s.u.	0.10	100	90	110			
Sample ID: B04061835-006A	Sample Duplicate								06/24/04 10:36
pH	6.76	s.u.	0.10				0.1	10	
Sample ID: B04061864-008A	Sample Duplicate								06/24/04 12:05
pH	6.85	s.u.	0.10				1.6	10	
Sample ID: B04061870-006B	Sample Duplicate								06/24/04 12:27
pH	7.49	s.u.	0.10				0.1	10	
Sample ID: B04061900-002A	Sample Duplicate								06/24/04 16:03
pH	7.78	s.u.	0.10				0.1	10	
Sample ID: B04061906-001B	Sample Duplicate								06/24/04 16:41
pH	7.26	s.u.	0.10				3.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									
Batch: R43930									
Sample ID: MB-TJADIS040630A	Method Blank								06/30/04 10:14
Beryllium	ND	mg/L	0.010						
Copper	ND	mg/L	0.010						
Iron	ND	mg/L	0.030						
Zinc	ND	mg/L	0.010						
Sample ID: B04061899-001BMS2	Sample Matrix Spike								06/30/04 11:04
Beryllium	2.59	mg/L	0.0010	103	69.5	130.5			
Copper	4.91	mg/L	0.041	98.1	69.5	130.5			
Iron	24.6	mg/L	0.030	97.9	69.5	130.5			
Zinc	5.33	mg/L	0.010	100	69.5	130.5			
Sample ID: B04061899-001BMSD2	Sample Matrix Spike Duplicate								06/30/04 11:08
Beryllium	2.59	mg/L	0.0010	104	69.5	130.5	0.2	20	
Copper	4.93	mg/L	0.041	98.6	69.5	130.5	0.5	20	
Iron	24.6	mg/L	0.030	98	69.5	130.5	0.1	20	
Zinc	5.35	mg/L	0.010	101	69.5	130.5	0.4	20	
Sample ID: B04061900-005BMS2	Sample Matrix Spike								06/30/04 12:07
Beryllium	1.07	mg/L	0.0010	107	69.5	130.5			
Copper	2.06	mg/L	0.016	103	69.5	130.5			
Iron	11.6	mg/L	0.030	107	69.5	130.5			
Zinc	2.22	mg/L	0.010	110	69.5	130.5			
Sample ID: B04061900-005BMSD2	Sample Matrix Spike Duplicate								06/30/04 12:11
Beryllium	1.06	mg/L	0.0010	106	69.5	130.5	1.5	20	
Copper	2.01	mg/L	0.016	101	69.5	130.5	2.2	20	
Iron	11.2	mg/L	0.030	103	69.5	130.5	3.7	20	
Zinc	2.13	mg/L	0.010	106	69.5	130.5	4.2	20	
Sample ID: B04061920-001BMS2	Sample Matrix Spike								06/30/04 13:06
Beryllium	1.06	mg/L	0.0010	106	69.5	130.5			
Copper	2.03	mg/L	0.016	102	69.5	130.5			
Iron	11.0	mg/L	0.030	110	69.5	130.5			
Zinc	2.30	mg/L	0.010	113	69.5	130.5			
Sample ID: B04061920-001BMSD2	Sample Matrix Spike Duplicate								06/30/04 13:10
Beryllium	1.06	mg/L	0.0010	106	69.5	130.5	0.4	20	
Copper	2.04	mg/L	0.016	102	69.5	130.5	0.3	20	
Iron	12.5	mg/L	0.030	125	69.5	130.5	12	20	
Zinc	2.61	mg/L	0.010	129	69.5	130.5	13	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R43910		
Sample ID: LRB		Method Blank					06/30/04 15:54		
Antimony	ND	mg/L	0.050						
Arsenic	ND	mg/L	0.0050						
Barium	ND	mg/L	0.10						
Cadmium	ND	mg/L	0.0010						
Chromium	ND	mg/L	0.010						
Cobalt	ND	mg/L	0.010						
Lead	ND	mg/L	0.010						
Mercury	ND	mg/L	0.0010						
Nickel	ND	mg/L	0.010						
Selenium	ND	mg/L	0.0050						
Silver	ND	mg/L	0.0050						
Thallium	ND	mg/L	0.10						
Vanadium	ND	mg/L	0.10						
Sample ID: B04061794-001FMS		Sample Matrix Spike					06/30/04 17:46		
Antimony	0.0509	mg/L	0.0030	102	70	130			
Arsenic	0.0525	mg/L	0.0050	104	70	130			
Chromium	0.0493	mg/L	0.010	97.8	70	130			
Barium	0.117	mg/L	0.10	100	70	130			
Cadmium	0.0507	mg/L	0.0010	101	70	130			
Cobalt	0.0490	mg/L	0.010	97.9	70	130			
Lead	0.0502	mg/L	0.0010	100	70	130			
Mercury	0.000970	mg/L	0.00020	97	70	130			
Nickel	0.0485	mg/L	0.010	96	70	130			
Selenium	0.0526	mg/L	0.0050	104	70	130			
Silver	0.0165	mg/L	0.0050	82.3	70	130			
Thallium	0.0505	mg/L	0.0010	101	70	130			
Vanadium	0.0502	mg/L	0.10	99.3	70	130			
Sample ID: B04061794-001FMDS		Sample Matrix Spike Duplicate					06/30/04 17:53		
Antimony	0.0501	mg/L	0.0030	100	70	130	1.6	20	
Arsenic	0.0515	mg/L	0.0050	103	70	130	1.8	20	
Chromium	0.0493	mg/L	0.010	97.9	70	130	0.1	20	
Barium	0.115	mg/L	0.10	96.9	70	130	1.5	20	
Cadmium	0.0498	mg/L	0.0010	99.5	70	130	1.9	20	
Cobalt	0.0490	mg/L	0.010	97.8	70	130	0	20	
Lead	0.0498	mg/L	0.0010	99.4	70	130	0.8	20	
Mercury	0.00103	mg/L	0.00020	103	70	130	6.3	20	
Nickel	0.0485	mg/L	0.010	96.1	70	130	0.1	20	
Selenium	0.0524	mg/L	0.0050	104	70	130	0.4	20	
Silver	0.0173	mg/L	0.0050	86.6	70	130	5.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R43910
Sample ID: B04061794-001FMSD									Sample Matrix Spike Duplicate
Thallium	0.0503	mg/L	0.0010	101	70	130	0.3	20	06/30/04 17:53
Vanadium	0.0502	mg/L	0.10	99.2	70	130	0	20	
Sample ID: B04061864-007BMS									Sample Matrix Spike
Antimony	0.0511	mg/L	0.0050	102	70	130			06/30/04 19:38
Arsenic	0.0559	mg/L	0.0050	108	70	130			
Barium	0.183	mg/L	0.10	95	70	130			
Cadmium	0.0488	mg/L	0.0010	97.5	70	130			
Chromium	0.0538	mg/L	0.010	101	70	130			
Cobalt	0.0548	mg/L	0.010	98.9	70	130			
Lead	0.0509	mg/L	0.010	102	70	130			
Mercury	0.00100	mg/L	0.0010	100	70	130			
Nickel	0.0500	mg/L	0.010	96.4	70	130			
Selenium	0.0566	mg/L	0.0050	111	70	130			
Silver	0.0150	mg/L	0.0050	74.8	70	130			
Thallium	0.0519	mg/L	0.0050	103	70	130			
Vanadium	0.0522	mg/L	0.10	102	70	130			
Sample ID: B04061864-007BMSD									Sample Matrix Spike Duplicate
Antimony	0.0521	mg/L	0.0050	104	70	130	2.0	20	06/30/04 19:45
Arsenic	0.0554	mg/L	0.0050	107	70	130	0.9	20	
Barium	0.183	mg/L	0.10	94.4	70	130	0.2	20	
Cadmium	0.0488	mg/L	0.0010	97.6	70	130	0.2	20	
Chromium	0.0542	mg/L	0.010	101	70	130	0.7	20	
Cobalt	0.0549	mg/L	0.010	99.1	70	130	0.2	20	
Lead	0.0512	mg/L	0.010	102	70	130	0.4	20	
Mercury	0.00109	mg/L	0.0010	109	70	130	8.4	20	
Nickel	0.0504	mg/L	0.010	97.2	70	130	0.8	20	
Selenium	0.0544	mg/L	0.0050	106	70	130	3.9	20	
Silver	0.0201	mg/L	0.0050	100	70	130	29	20	R
Thallium	0.0528	mg/L	0.0050	104	70	130	1.7	20	
Vanadium	0.0526	mg/L	0.10	103	70	130	0	20	
Sample ID: B04061873-001AMS									Sample Matrix Spike
Antimony	0.0515	mg/L	0.0030	103	70	130			07/01/04 01:23
Arsenic	0.0542	mg/L	0.0050	106	70	130			
Chromium	0.0510	mg/L	0.010	102	70	130			
Barium	0.250	mg/L	0.10	94.4	70	130			A
Cadmium	0.0498	mg/L	0.0010	99.6	70	130			
Cobalt	0.0499	mg/L	0.010	99.7	70	130			
Lead	0.0506	mg/L	0.0010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.
R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R43910		
Sample ID: B04061873-001AMS			Sample Matrix Spike				07/01/04 01:23		
Mercury	0.000990	mg/L	0.00020	99	70	130			
Nickel	0.0495	mg/L	0.010	98.9	70	130			
Selenium	0.0536	mg/L	0.0050	107	70	130			
Silver	0.0157	mg/L	0.0050	78.6	70	130			
Thallium	0.0508	mg/L	0.0010	102	70	130			
Vanadium	0.0514	mg/L	0.10	103	70	130			
Sample ID: B04061873-001AMSD			Sample Matrix Spike Duplicate				07/01/04 01:30		
Antimony	0.0526	mg/L	0.0030	105	70	130	1.9	20	
Arsenic	0.0554	mg/L	0.0050	109	70	130	2.2	20	
Chromium	0.0530	mg/L	0.010	106	70	130	3.9	20	
Barium	0.253	mg/L	0.10	101	70	130	1.3	20	A
Cadmium	0.0512	mg/L	0.0010	102	70	130	2.7	20	
Cobalt	0.0512	mg/L	0.010	102	70	130	2.7	20	
Lead	0.0522	mg/L	0.0010	104	70	130	3.1	20	
Mercury	0.00106	mg/L	0.00020	106	70	130	6.5	20	
Nickel	0.0510	mg/L	0.010	102	70	130	3.1	20	
Selenium	0.0545	mg/L	0.0050	109	70	130	1.8	20	
Silver	0.0160	mg/L	0.0050	80	70	130	1.8	20	
Thallium	0.0522	mg/L	0.0010	104	70	130	2.7	20	
Vanadium	0.0524	mg/L	0.10	105	70	130	0	20	
Sample ID: B04061899-006BMS			Sample Matrix Spike				07/01/04 05:14		
Antimony	0.0504	mg/L	0.0050	101	70	130			
Arsenic	0.0472	mg/L	0.0050	94.4	70	130			
Barium	0.0837	mg/L	0.10	103	70	130			
Cadmium	0.0458	mg/L	0.0010	91.2	70	130			
Chromium	0.0516	mg/L	0.010	99.5	70	130			
Cobalt	0.0486	mg/L	0.010	96.4	70	130			
Lead	0.0532	mg/L	0.010	105	70	130			
Mercury	0.00103	mg/L	0.0010	103	70	130			
Nickel	0.0488	mg/L	0.010	90.5	70	130			
Selenium	0.0489	mg/L	0.0050	97.8	70	130			
Silver	0.0127	mg/L	0.0050	63.4	70	130			S
Thallium	0.0520	mg/L	0.0050	104	70	130			
Vanadium	0.0530	mg/L	0.10	104	70	130			
Sample ID: B04061899-006BMDS			Sample Matrix Spike Duplicate				07/01/04 05:21		
Antimony	0.0518	mg/L	0.0050	103	70	130	2.6	20	
Arsenic	0.0476	mg/L	0.0050	95.2	70	130	0.8	20	
Barium	0.0846	mg/L	0.10	105	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Batch: R43910									
Sample ID: B04061899-006BMSD	Sample Matrix Spike Duplicate								07/01/04 05:21
Cadmium	0.0474	mg/L	0.0010	94.2	70	130	3.3	20	
Chromium	0.0536	mg/L	0.010	104	70	130	3.8	20	
Cobalt	0.0507	mg/L	0.010	101	70	130	4.3	20	
Lead	0.0548	mg/L	0.010	108	70	130	3.0	20	
Mercury	0.00111	mg/L	0.0010	111	70	130	7.4	20	
Nickel	0.0510	mg/L	0.010	94.9	70	130	4.5	20	
Selenium	0.0482	mg/L	0.0050	96.3	70	130	1.5	20	
Silver	0.0138	mg/L	0.0050	69.2	70	130	8.7	20	S
Thallium	0.0542	mg/L	0.0050	108	70	130	4.0	20	
Vanadium	0.0556	mg/L	0.10	109	70	130	0	20	
Sample ID: LRB	Method Blank								07/01/04 09:27
Antimony	ND	mg/L	0.050						
Arsenic	ND	mg/L	0.0050						
Barium	ND	mg/L	0.10						
Cadmium	ND	mg/L	0.0010						
Chromium	ND	mg/L	0.010						
Cobalt	ND	mg/L	0.010						
Lead	ND	mg/L	0.010						
Mercury	ND	mg/L	0.0010						
Nickel	ND	mg/L	0.010						
Selenium	ND	mg/L	0.0050						
Silver	ND	mg/L	0.0050						
Thallium	ND	mg/L	0.10						
Vanadium	ND	mg/L	0.10						

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R43990		
Sample ID: B04062145-001CMS	Sample Matrix Spike		07/01/04 22:52						
Arsenic	0.0532	mg/L	0.0050	105	70	130			
Copper	0.0511	mg/L	0.010	97.9	70	130			
Selenium	0.0561	mg/L	0.0050	103	70	130			
Sample ID: B04062145-001CMSD	Sample Matrix Spike Duplicate		07/01/04 23:27						
Arsenic	0.0528	mg/L	0.0050	105	70	130	0.6	20	
Copper	0.0510	mg/L	0.010	97.8	70	130	0.1	20	
Selenium	0.0562	mg/L	0.0050	103	70	130	0.2	20	
Sample ID: B04061939-001BMS	Sample Matrix Spike		07/02/04 05:32						
Arsenic	0.0529	mg/L	0.0050	105	70	130			
Copper	0.0513	mg/L	0.010	102	70	130			
Selenium	0.0535	mg/L	0.0050	105	70	130			
Sample ID: B04061939-001BMSD	Sample Matrix Spike Duplicate		07/02/04 05:39						
Arsenic	0.0507	mg/L	0.0050	100	70	130	4.2	20	
Copper	0.0504	mg/L	0.010	99.6	70	130	1.9	20	
Selenium	0.0521	mg/L	0.0050	103	70	130	2.6	20	
Sample ID: LRB	Method Blank		07/02/04 09:38						
Arsenic	ND	mg/L	0.0050						
Copper	ND	mg/L	0.010						
Selenium	ND	mg/L	0.0050						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									
Sample ID: ICB Method Blank									
Chloride	ND	mg/L	1.0						06/28/04 12:51
Sulfate	ND	mg/L	1.0						
Sample ID: B04061816-007A MS Sample Matrix Spike									
Chloride	112	mg/L	1.0	97.5	80	120			06/28/04 14:01
Sulfate	418	mg/L	2.7	102	80	120			
Sample ID: B04061816-007A MSD Sample Matrix Spike Duplicate									
Chloride	112	mg/L	1.0	97.5	80	120	0	20	06/28/04 14:12
Sulfate	428	mg/L	2.7	105	80	120	2.4	20	
Sample ID: B04061864-010A MS Sample Matrix Spike									
Chloride	110	mg/L	1.0	106	80	120			06/28/04 16:43
Sulfate	1100	mg/L	2.7	111	80	120			
Sample ID: B04061864-010A MSD Sample Matrix Spike Duplicate									
Chloride	109	mg/L	1.0	105	80	120	0.6	20	06/28/04 16:55
Sulfate	1090	mg/L	2.7	109	80	120	0.7	20	
Sample ID: B04061899-002A MS Sample Matrix Spike									
Chloride	539	mg/L	1.6	105	80	120			06/28/04 19:26
Sulfate	4580	mg/L	14	103	80	120			
Sample ID: B04061899-002A MSD Sample Matrix Spike Duplicate									
Chloride	540	mg/L	1.6	105	80	120	0.2	20	06/28/04 19:38
Sulfate	4590	mg/L	14	103	80	120	0.3	20	
Sample ID: B04061901-001A MS Sample Matrix Spike									
Chloride	45.8	mg/L	1.0	109	80	120			06/28/04 22:32
Sulfate	166	mg/L	1.0	109	80	120			
Sample ID: B04061901-001A MSD Sample Matrix Spike Duplicate									
Chloride	45.9	mg/L	1.0	109	80	120	0.3	20	06/28/04 22:44
Sulfate	166	mg/L	1.0	109	80	120	0	20	
Sample ID: B04061936-001A MS Sample Matrix Spike									
Chloride	10.7	mg/L	1.0	107	80	120			06/29/04 01:15
Sulfate	42.1	mg/L	1.0	105	80	120			
Sample ID: B04061936-001A MSD Sample Matrix Spike Duplicate									
Chloride	10.6	mg/L	1.0	106	80	120	1.1	20	06/29/04 01:26
Sulfate	41.9	mg/L	1.0	105	80	120	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R43838		
Sample ID: B04062055-002A MS	Sample Matrix Spike						06/30/04 02:44		
Chloride	114	mg/L	1.0	106	80	120			
Sulfate	1070	mg/L	2.7	105	80	120			
Sample ID: B04062055-002A MSD	Sample Matrix Spike Duplicate						06/30/04 02:55		
Chloride	113	mg/L	1.0	105	80	120	0.5	20	
Sulfate	1060	mg/L	2.7	104	80	120	0.6	20	
Method: E335.4							Batch: A2004-06-25_4_CN_01		
Sample ID: B04061899-004DMS	Sample Matrix Spike						06/25/04 11:41		
Cyanide, Total Manual Distillation	0.101	mg/L	0.0050	101	90	110			
Sample ID: B04061899-004DMSD	Sample Matrix Spike Duplicate						06/25/04 11:42		
Cyanide, Total Manual Distillation	0.0971	mg/L	0.0050	97.1	90	110	3.4	10	
Sample ID: B04061901-003DMS	Sample Matrix Spike						06/25/04 12:10		
Cyanide, Total Manual Distillation	0.104	mg/L	0.0050	104	90	110			
Sample ID: B04061901-003DMSD	Sample Matrix Spike Duplicate						06/25/04 12:12		
Cyanide, Total Manual Distillation	0.107	mg/L	0.0050	107	90	110	2.8	10	
Sample ID: MBLK	Method Blank						06/25/04 11:04		
Cyanide, Total Manual Distillation	ND	mg/L	0.0050						
Method: E353.2							Batch: 04062802-NN2		
Sample ID: B04061787-001C MS	Sample Matrix Spike						06/28/04 14:34		
Nitrogen, Nitrate+Nitrite as N	1.59	mg/L	0.050	97.2	90	110			
Sample ID: B04061787-001C MSD	Sample Matrix Spike Duplicate						06/28/04 14:35		
Nitrogen, Nitrate+Nitrite as N	1.58	mg/L	0.050	96.1	90	110	0.7	10	
Sample ID: B04061755-001C MS	Sample Matrix Spike						06/28/04 14:54		
Nitrogen, Nitrate+Nitrite as N	1.21	mg/L	0.050	102	90	110			
Sample ID: B04061755-001C MSD	Sample Matrix Spike Duplicate						06/28/04 14:55		
Nitrogen, Nitrate+Nitrite as N	1.20	mg/L	0.050	101	90	110	0.7	10	
Sample ID: B04061873-008B MS	Sample Matrix Spike						06/28/04 15:04		
Nitrogen, Nitrate+Nitrite as N	1.79	mg/L	0.050	98.1	90	110			
Sample ID: B04061873-008B MSD	Sample Matrix Spike Duplicate						06/28/04 15:05		
Nitrogen, Nitrate+Nitrite as N	1.78	mg/L	0.050	97	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc. Landfill

Report Date: 07/02/04
Work Order: B04061901

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									
Batch: R43940									
Sample ID: MB-R43940	Method Blank								
Oxygen Demand, Chemical (COD)	ND	mg/L	1.0						06/30/04 09:00
Sample ID: LCS-R43940	Laboratory Control Spike								
Oxygen Demand, Chemical (COD)	46.5	mg/L	1.0	95.7	90	110			06/30/04 09:00
Sample ID: B04061901-001CMS	Sample Matrix Spike								
Oxygen Demand, Chemical (COD)	26.3	mg/L	1.0	95.5	90	110			06/30/04 09:00
Sample ID: B04061901-001CMSD	Sample Matrix Spike Duplicate								
Oxygen Demand, Chemical (COD)	27.6	mg/L	1.0	101	90	110	4.8	10	06/30/04 09:00
Sample ID: B04061950-001BMS	Sample Matrix Spike								
Oxygen Demand, Chemical (COD)	25.2	mg/L	1.0	103	90	110			06/30/04 09:00
Sample ID: B04061950-001BMSD	Sample Matrix Spike Duplicate								
Oxygen Demand, Chemical (COD)	25.0	mg/L	1.0	102	90	110	0.8	10	06/30/04 09:00

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Sample Receipt Checklist

Client Name Sanitation Inc.

Date and Time Received: 6/24/2004

Work Order Number B04061901

Received by rin

Checklist completed by:

Signature

Date

Reviewed by

Initials

Date

Carrier name UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4 °C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____

Checked by rin

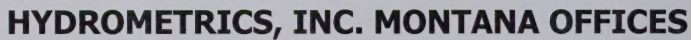
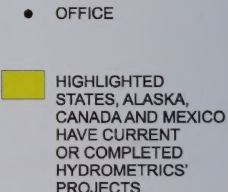
Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____



FAX: (406) 443-4155

FAX: (406) 656-8912

FAX: (406) 542-2619

Fax: (406) 656-8912

Miller

Fergus Co
Sanitation Inst # 291
grdwtr mon (ANALY)

**SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
OCTOBER 2003 GROUNDWATER SAMPLING REPORT**

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc.
Consulting Scientists & Engineers 
3020 Bozeman Avenue
Helena, MT 59601

December 2003



BARRY DAMSCHEN CONSULTING, LLC

Engineering • Solid Waste Management • Grant Administration

RECEIVED

DEC 23 2003

MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

December 18, 2003

Tim Stepp
Solid Waste Program
Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

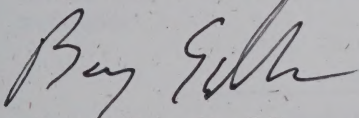
Dear Tim:

Please find enclosed our copy of the groundwater results for the groundwater monitoring wells at the Sanitation Inc landfill. The samples were collected on October 15, 2003. Please note that this is the first sampling event for the new well (SIMW-4).

As indicated in the attached report, the groundwater quality at the existing wells were similar to values observed previously. The new well's results showed no VOC concentrations. The new well also had a higher volume of water than the other wells.

Please do not hesitate to call me if you have any questions..

Very truly yours,
BARRY DAMSCHEN CONSULTING, LLC


Barry E. Damschen, P.E.

Enclosure

cc: Sanitation Inc.

Norm Mullen 7/11/2/3/03

Pat Crowley FPC

Tim Stapp IS

Pat Potts

(Please note that this is ~~that~~ only
copy we have)

Rich



Hydrometrics, Inc.

consulting scientists and engineers

3020 Bozeman Avenue
Helena, MT 59601
(406) 443-4150
Fax: (406) 443-4155
www.hydrometrics.com

RECEIVED

JB

December 8, 2003

DEC 23 2003

Mr. Barry E. Damschen, P.E.
Barry Damschen Consulting
5531 York Road
Helena, MT 59602

MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

RE: October 2003 Groundwater Monitoring Results
Sanitation, Inc. Landfill, Lewistown, MT

Dear Barry,

Hydrometrics has prepared this letter report to transmit the results of the October 2003 groundwater monitoring at the Sanitation, Inc. Landfill in Lewistown, Montana. Sampling activities were conducted on October 15, 2003.

Groundwater Flow Results

Static water levels were measured in wells SIMW-1, SIMW-2, SIMW-3, and SIMW-4, and in piezometers SIP-1 and SIP-2 (Table 1). Monitoring locations and October 2003 groundwater elevations are shown on Figure 1, along with potentiometric contours based on the observed elevations.

Groundwater elevations in October 2003 were lower than those measured in July 2003, except at SIMW-3. Wells on the eastern side of the facility (SIP-2, SIMW-1, SIMW-2) showed greater water level decreases than wells on the western side of the facility (SIMW-3, SIP-1), as follows:

Well ID	Water Level Change (July 2003 to October 2003)
SIMW-1	-1.68 ft
SIMW-2	-0.95 ft
SIMW-3	+0.04 ft
SIMW-4*	-0.76 ft
SIP-1	-0.40 ft
SIP-2	-2.50 ft

* Well installed August 2003; water level change shown is September 2003 to October 2003.

The estimated groundwater flow direction is generally to the north, and the estimated hydraulic gradient near well SIMW-3 is 0.14. Prior to the installation of well SIMW-4, estimates of hydraulic gradient near SIMW-3 were on the order of 0.04; data from SIMW-4 indicate a steeper gradient (Figure 1). The groundwater seepage velocity near well SIMW-3 can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the following formula:

$$V_s = KI/n_e$$

where V_s = seepage velocity (ft/day);

K = hydraulic conductivity (ft/day);

I = hydraulic gradient (dimensionless); and

n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-3 for October 2003 was 3.7 ft/day, compared with an estimate of 1.05 ft/day presented in the October 2002 data report (Hydrometrics, 2003).

Groundwater Quality Results

Water quality samples were collected from wells SIMW-2, SIMW-3, and SIMW-4 by bailing. No water could be obtained from well SIMW-1 for sampling. Quality control (QC) samples included a field duplicate (collected at SIMW-4), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Billings, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

All VOC concentrations were below laboratory reporting limits for wells SIMW-2 and SIMW-4. Dichlorodifluoromethane was reported as present at a concentration below the reporting limit in the sample from well SIMW-3 (0.33 µg/L).

Results for selected inorganic and organic parameters are summarized in Table 2a for SIMW-1, Table 2b for SIMW-2, Table 2c for SIMW-3, and Table 2d for SIMW-4, along with summary statistics for the data period August 1995 through October 2003. Note that Table 2a contains no October 2003 data for SIMW-1, since no sample was collected. In general, groundwater parameter concentrations were similar to values observed previously at each monitoring well. The dissolved iron concentration at SIMW-2 (1.5 mg/L) was the highest observed during the monitoring period; no other dissolved metal showed a similar increase during the October 2003 monitoring event.

The October 2003 sample was the first water quality sample collected at well SIMW-4. This initial sample from the new monitoring well showed a low concentration of iron (0.06 mg/L), and non-detectable concentrations of other metals, nitrate + nitrite, and VOCs (Table 2d; Attachment 1). Compared with the other monitoring wells sampled during the October 2003

event, well SIMW-4 showed a relatively high concentration of chloride (135 mg/L, compared with 31 mg/L at SIMW-3 and 63 mg/L at SIMW-2). In addition, the chemical oxygen demand (COD) measured at SIMW-4 in October 2003 was 24 mg/L, compared with 2 mg/L at both of the other monitoring wells sampled.

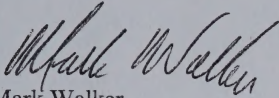
Figures 3a, 3b, and 3c show trend plots of chloride, sulfate, specific conductance (SC), nitrate + nitrite, and dissolved iron, selenium, and zinc for wells SIMW-1, SIMW-2, and SIMW-3, respectively. No trend plots are included for well SIMW-4, since only one sample has been collected to date. While the data show some variability over time, in most cases current concentrations are similar to data collected in 1995. No consistent increasing trends are apparent, although in some cases concentrations have recently increased after an earlier period of decreases (e.g., nitrate + nitrite at SIMW-2, chloride and sulfate at SIMW-3). Dissolved metals concentrations have shown occasional spikes (in 1997 at well SIMW-2, and in 1999 at well SIMW-3). Typically, iron and zinc concentrations are at or near detection limits, while selenium concentrations are at or near detection limits at SIMW-2 and show averages of 0.016 mg/L at SIMW-1 and 0.025 mg/L at SIMW-3 (Tables 2a, 2b, 2c).

As an additional method to determine if groundwater concentrations are changing over time, the nonparametric Mann-Kendall test for trend (D.R. Helsel and R.M. Hirsch, 1992) was conducted on the data sets for wells SIMW-2 and SIMW-3. No new data was obtained for well SIMW-1, so the statistical test was not updated from the July 2003 report. Briefly stated, the test involves calculation of Kendall's S-statistic and Kendall's tau (τ), which is a measure of the strength of correlation between two variables. Statistical results are presented in Table 3. A significance level of $\alpha=0.05$ was selected for the test. The significance level of 0.05 is commonly used as a default level for statistical testing, and signifies a 5% chance that the test will conclude that there is a trend when in fact there is not. Note that, due to the prevalence of estimated values (values reported as present, but below reporting limits), the Mann-Kendall test was not conducted for organic parameters.

Statistically significant ($p<0.05$) trends were detected for chloride, nitrate + nitrite, and selenium at well SIMW-2 (Table 3). For nitrate + nitrite and selenium, the trends were decreasing (negative τ). For chloride, the trend is increasing (positive τ). Examination of Figure 2b shows that chloride concentrations have generally increased since 1999; however, recent data show a flattening of the trend, and current chloride concentrations at this well are similar to concentrations observed prior to 1999 (near 60 mg/L).

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150, ext. 146.

Sincerely,



Mark Walker
Chemist

Enclosures

REFERENCES

- Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.
- Helsel, D.R. and R.M. Hirsch, 1992. *Statistical Methods in Water Resources*. Elsevier Science Publishers, Amsterdam.
- Hydrometrics, 2003. Sanitation, Inc. Landfill, Lewistown, Montana, Fall 2002 Groundwater Sampling Report. January, 2003.

TABLES

- Table 1. Water Level Measurement Results
- Table 2a. SIMW-1 Groundwater Quality Results and Summary Statistics
- Table 2b. SIMW-2 Groundwater Quality Results and Summary Statistics
- Table 2c. SIMW-3 Groundwater Quality Results and Summary Statistics
- Table 2d. SIMW-4 Groundwater Quality Results and Summary Statistics
- Table 3. Statistical Test Results

Table 1. Water Level Measurement Results

Well	October 2003 Static Water Level (ft bmp)	October 2003 Groundwater Elevation (ft)
SIMW-1	46.80	4091.08
SIMW-2	36.10	4087.61
SIMW-3	32.41	4078.50
SIMW-4	40.36	4037.71
SIP-1	35.40	4084.84
SIP-2	52.85	4098.49

NOTES: bmp = below measuring point
 nc = not calculated (no static water level measured)

Table 2a. SIMW-1 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (µg/L)	1,1,1-trichloro- ethane (µg/L)	trichlorofluoro- methane (µg/L)
8/16/1995	26	95	958	4.49	<0.03	0.017	<0.01	0.65(j)	0.67(j)	0.49(j)
6/10/1996				4.24	<0.03	0.016	0.02	0.58(j)	0.34(j)	0.4(j)
6/3/1997	25	92	786	5.56	0.04	0.014	0.03	0.53(j)	0.77(j)	0.47(j)
11/4/1997	24	81	751	3.74	<0.03	0.019	0.02	0.68(j)	0.4(j)	0.33(j)
10/6/1998				5.52				0.54(j)	0.42(j)	0.37(j)
6/15/1999	23	77	686	4.04	<0.03	0.018	0.02	0.53(j)	0.43(j)	0.39(j)
10/6/1999	25	79	759	4.06	<0.03	0.017	0.04	0.54(j)	<1	<1
6/27/2000	22	70	755	3.6	<0.03	0.016	<0.01	0.59(j)	<1	<1
10/17/2000	30	98	756	2.82	<0.03	0.009	0.04	0.43(j)	0.33(j)	0.28(j)
7/22/2003	22	68	798	4.47	<0.03	0.018	0.03	0.38(j)	0.3(j)	0.23(j)
n	8	8	8	10	9	9	9	10	10	10
% BD	0%	0%	0%	0%	89%	0%	22%	0%	20%	20%
Average	25	83	781	4.25	0	0.016	0.024	0.545	0.566	0.496
Median	24.5	80	758	4.15	<0.03	0.017	0.02	0.54	0.425	0.395
Minimum	22	68	686	2.82	<0.03	0.009	<0.01	0.38	0.3	0.23
Maximum	30	98	958	5.56	0.04	0.019	0.04	0.68	<1	<1

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

Table 2b. SIMW-2 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
8/16/1995	55	224	1480	3.78	<0.03	0.006	<0.01
6/10/1996	47	195	1180	4.18	<0.03	0.008	<0.01
10/22/1996	62	214	1180	2.6	1.29	<0.005	0.03
6/3/1997	63	202	1040	2.11	0.06	0.014	0.06
11/4/1997	58	211	1110	3.95	<0.03	0.008	<0.01
6/16/1998	56	201	1150	2.32	0.05	0.005	0.02
10/6/1998	56	203	1140	3.97	0.05	0.006	0.02
6/15/1999	30	177	1170	3.26	<0.03	0.006	0.01
10/6/1999	50	193	1100	2.46	<0.03	0.006	0.08
6/27/2000	59	199	1100	2.57	<0.03	0.005	<0.01
10/17/2000	61	201	1130	1.93	<0.03	0.005	<0.01
7/6/2001	67	214	1140	1.05	<0.03	<0.005	0.01
10/30/2001	61	205	1170	0.94	0.08	<0.005	0.01
10/26/2002	62	216	1240	1.04	0.05	<0.005	0.02
7/22/2003	62	187	1140	1.3	<0.03	<0.005	<0.01
10/15/2003	63	211	1110	1.78	1.5	<0.005	<0.01
n	16	16	16	16	16	16	16
% BD	0%	0%	0%	0%	56%	38%	44%
Average	57	203	1161	2.45	0	0.006	0.021
Median	60	202.5	1140	2.39	<0.03	0.005	0.01
Minimum	30	177	1040	0.94	<0.03	<0.005	<0.01
Maximum	67	224	1480	4.18	1.5	0.014	0.08

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

Table 2c. SIMW-3 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (µg/L)
8/16/1995	34	140	893	8.96	<0.03	0.021	<0.01	0.2(j)
6/10/1996	30	139	750	9.25	0.1	0.022	<0.01	<1
10/22/1996	34	133	706	9.09	0.03	0.019	<0.01	<1
6/3/1997	27	134	683	9.08	<0.03			<1
11/4/1997	30	131	767	9.35	<0.03	0.023	<0.01	<1
6/16/1998	23	129	739	12.2	0.24	0.019	<0.01	1.2
10/6/1998	25	128	731	11	<0.03	0.017	0.01	0.45(j)
6/15/1999	25	121	707	11.7	12.9	0.074	0.47	0.55(j)
10/6/1999	27	124	744	11.5	<0.03	0.019	0.02	<1
6/27/2000	30	135	797	10.1	<0.03	0.023	0.01	0.32(j)
10/17/2000	32	139	808	9.76	<0.03	0.024	0.01	0.3(j)
7/6/2001	36	135	870	8.79	<0.03	0.021	<0.01	0.34(j)
10/30/2001	35	134	866	10.7	<0.03	0.02	0.03	<1
10/26/2002	30	140	879	8.69	<0.03	0.025	0.02	<1
7/22/2003	30	135	811	9.72	0.77	0.022	<0.01	0.27(j)
10/15/2003	31	143	799	9.13	0.22	0.021	<0.01	0.33(j)
n	16	16	16	16	16	15	15	16
% BD	0%	0%	0%	0%	63%	0%	53%	44%
Average	30	134	784	9.94	1	0.025	0.043	0.685
Median	30	134.5	782	9.54	<0.03	0.021	<0.01	<0.775
Minimum	23	121	683	8.69	<0.03	0.017	<0.01	0.2
Maximum	36	143	893	12.2	12.9	0.074	0.47	1.2

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

Table 2d. SIMW-4 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
10/15/2003	135	167	1370	<0.05	0.06	<0.005	<0.01
n	1	1	1	1	1	1	1
% BD	0%	0%	0%	100%	0%	100%	100%
Average	135	167	1370	0.05	0	0.005	0.010
Median	135	167	1370	0.05	<0.06	0.005	<0.01
Minimum	135	167	1370	0.05	<0.06	0.005	<0.01
Maximum	135	167	1370	0.05	0.06	0.005	0.01

NOTES: n = number of samples
 %BD = percent of samples below detection limits
 Below detect values replaced with detection limit for calculation of averages
 (j) Estimated value; analyte present but less than the reporting limit.

Table 3. Statistical Test Results

Well	Parameter	Mann-Kendall Trend Test Results		
		S	τ	p
SIMW-2	chloride	46	0.38	0.041
	sulfate	-5	-0.04	0.857
	SC	-17	-0.14	0.468
	nitrate + nitrite	-68	-0.57	0.003
	Fe (diss)	7	0.06	0.764
	Se (diss)	-65	-0.54	0.003
	Zn (diss)	-13	-0.11	0.568
SIMW-3	chloride	17	0.14	0.462
	sulfate	16	0.13	0.497
	SC	44	0.37	0.053
	nitrate + nitrite	-2	-0.02	0.964
	Fe (diss)	3	0.03	0.917
	Se (diss)	16	0.15	0.453
	Zn (diss)	19	0.18	0.328

NOTE: **Bold** values indicate rejection of "no-trend" hypothesis at confidence level $\alpha = 0.05$ (i.e., $p < 0.05$).

The Mann-Kendall test for trend is conducted according to methods presented in *Statistical Methods in Water Resources* by D.R. Helsel and R.M. Hirsch (1992). The test is a nonparametric method of assessing whether values over time tend to remain constant (null hypothesis) or tend to show an increasing or decreasing trend. The calculated statistics are as follows:

Kendall's S: compares each value in a data set to each subsequently collected value. S is an overall measure of whether subsequent values tend to be greater or less than a given value. If S is positive, subsequent values tend to be greater; if negative, subsequent values tend to be smaller. The closer S is to 0, the less evidence there is of any trend.

Kendall's tau: Kendall's tau is a correlation coefficient analogous to the more familiar Pearson's R. Tau can range from -1 to +1, with +1 indicating a strong increasing trend (increasing concentrations with time), and -1 indicating a strong negative trend (decreasing concentrations with time).

p-value: p-values are a measure of the significance of the above test statistics. Typically, when p is less than some established decision level α , then the null hypothesis (i.e., the assumption of no trend in this case) is rejected.

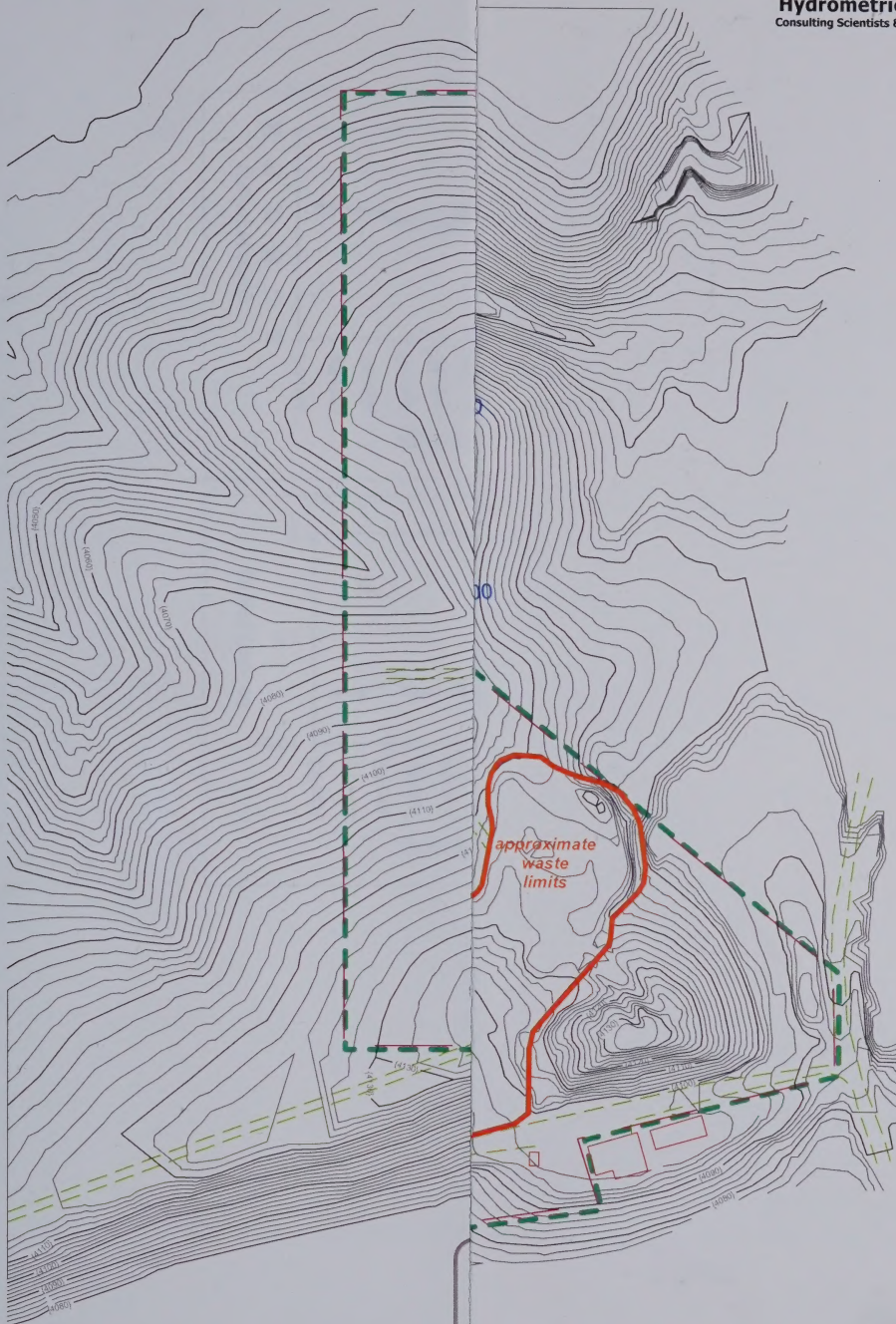
FIGURES

Figure 1. October 2003 Groundwater Elevations and Potentiometric Contours

Figure 2a. SIMW-1 Water Quality Trends

Figure 2b. SIMW-2 Water Quality Trends

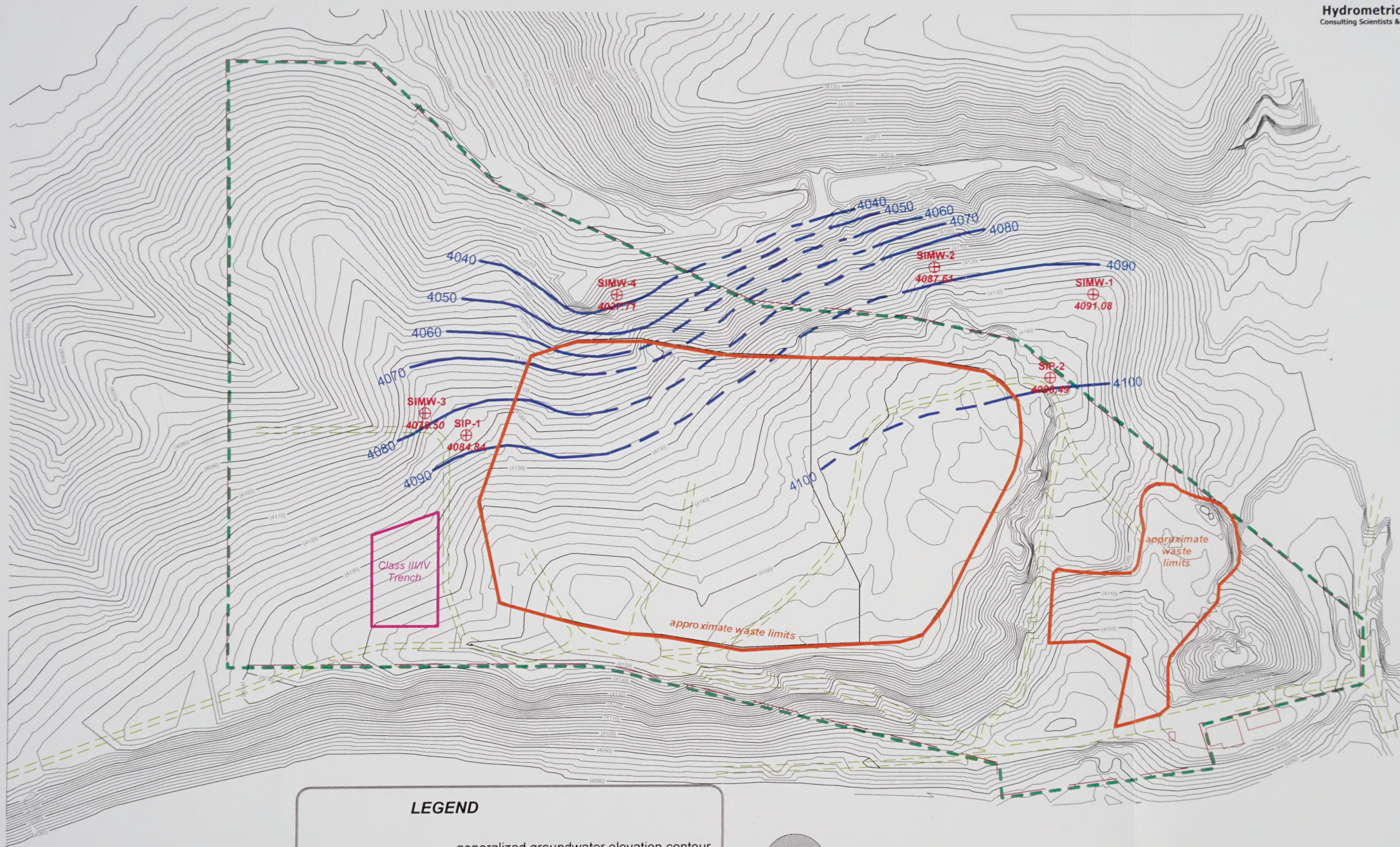
Figure 2c. SIMW-3 Water Quality Trends



Groundwater Elevations and
Potentiometric Contours
ation, Inc. Landfill
istown, Montana

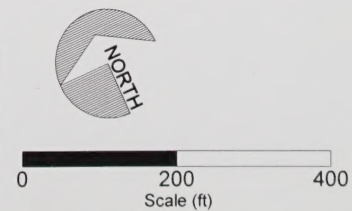
FIGURE

1



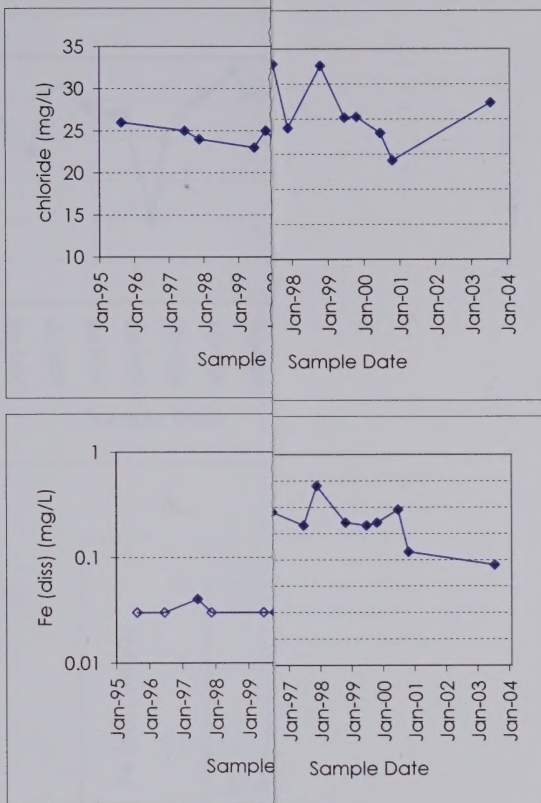
LEGEND

- 4080 ————— generalized groundwater elevation contour
(dashed where inferred)
- SIMW-3
⊕
4078.50 well/piezometer location with
October 15, 2003
groundwater elevation



October 2003 Groundwater Elevations and
Generalized Potentiometric Contours
Sanitation, Inc. Landfill
Lewistown, Montana

FIGURE
1



NOTE: open symbols indicate

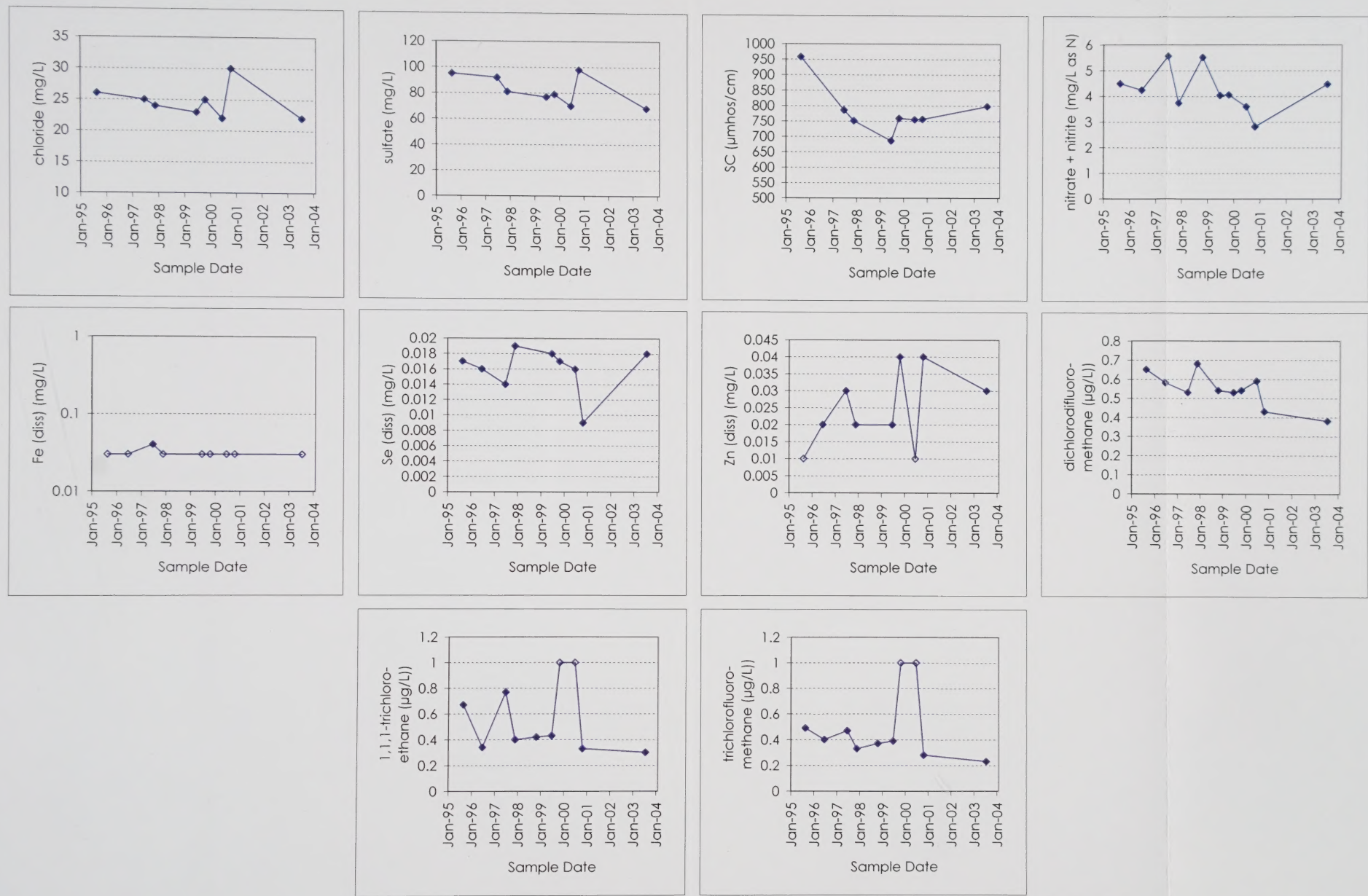


Figure 2a. SIMW-1 Water Quality Trends

NOTE: open symbols indicate value below detection limit

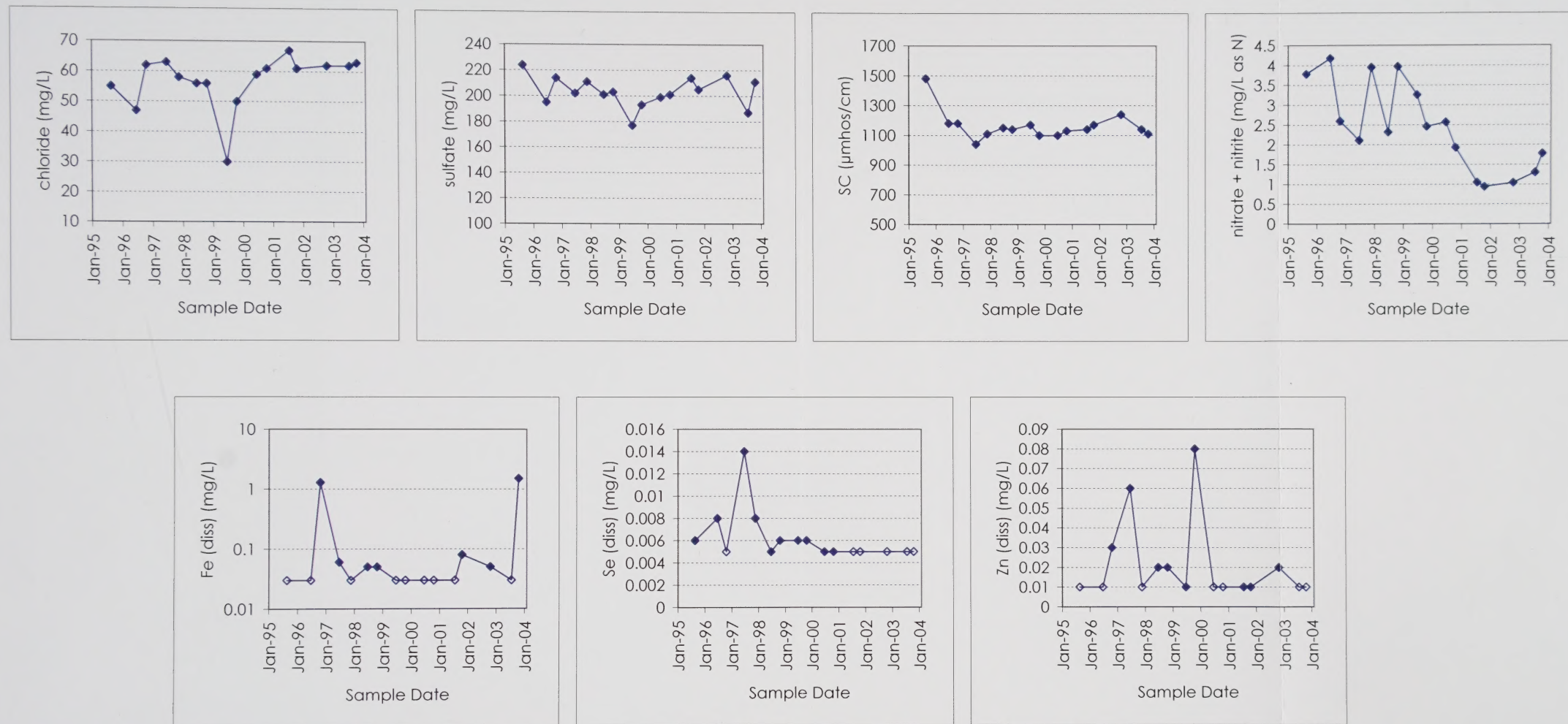
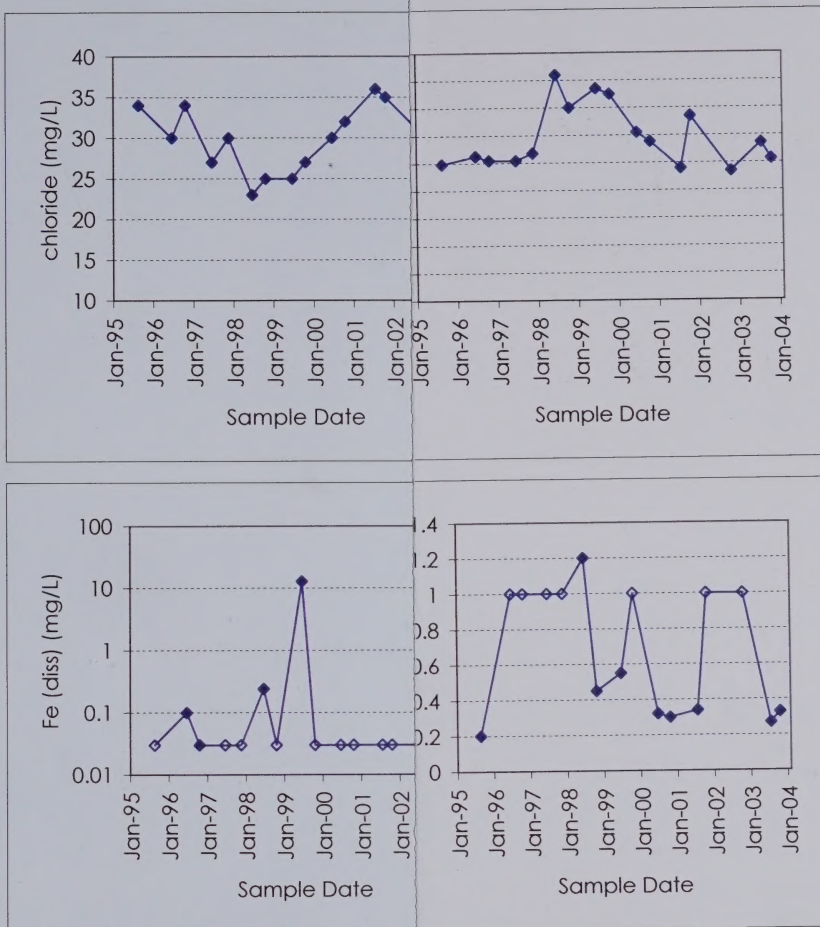


Figure 2b. SIMW-2 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below detection limit

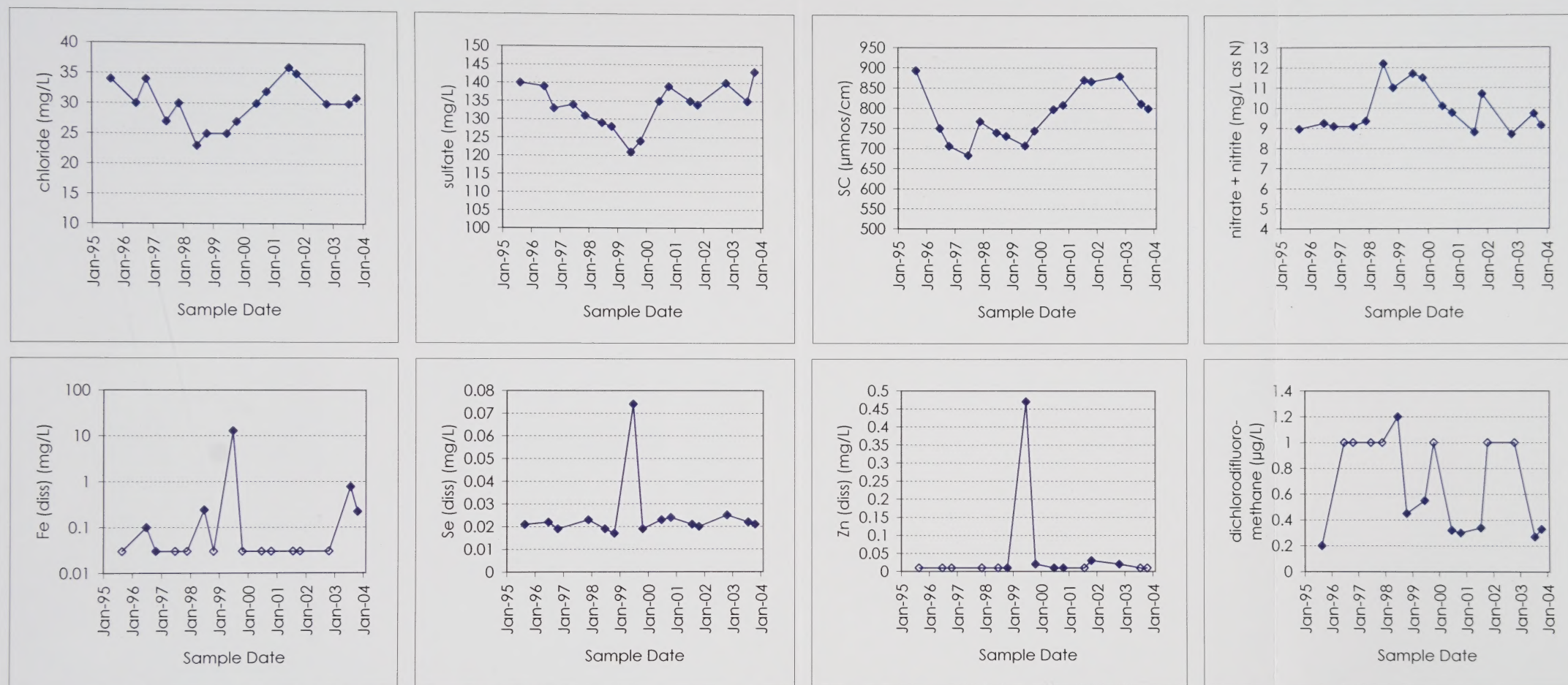


Figure 2c. SIMW-3 Water Quality Trends

NOTE: open symbols indicate value below detection limit

ATTACHMENT 1

FIELD NOTES AND LABORATORY REPORT

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-001
Client Sample ID: SIMW-2

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		E150.1	10/17/03 15:20 / kaw
Conductivity	1110	umhos/cm		1		A2510 B	10/17/03 14:59 / kaw
INORGANICS							
Chloride	63	mg/L		1		E300.0	10/21/03 19:48 / jb
Sulfate	211	mg/L		1		E300.0	10/21/03 19:48 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:35 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2	mg/L		1		E410.4	10/21/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.78	mg/L		0.05		E353.2	10/20/03 13:05 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	10/20/03 22:37 / jjw
Arsenic	ND	mg/L		0.005		E200.8	10/20/03 22:37 / jjw
Barium	ND	mg/L		0.1		E200.8	10/20/03 22:37 / jjw
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 19:47 / rih
Cadmium	ND	mg/L		0.001		E200.8	10/20/03 22:37 / jjw
Chromium	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Cobalt	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Copper	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Iron	1.50	mg/L		0.03		E200.7	10/21/03 15:23 / rih
Lead	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/20/03 22:37 / jjw
Nickel	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
Selenium	ND	mg/L		0.005		E200.8	10/20/03 22:37 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 19:47 / rih
Thallium	ND	mg/L		0.1		E200.7	10/20/03 19:47 / rih
Vanadium	ND	mg/L		0.1		E200.8	10/20/03 22:37 / jjw
Zinc	ND	mg/L		0.01		E200.8	10/20/03 22:37 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-001
Client Sample ID: SIMW-2

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/20/03 22:52 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-001
Client Sample ID: SIMW-2

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/20/03 22:52 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC			70-130	SW8260B	10/20/03 22:52 / sbd
Surr: Dibromofluoromethane	114	%REC			77-126	SW8260B	10/20/03 22:52 / sbd
Surr: p-Bromofluorobenzene	119	%REC			76-127	SW8260B	10/20/03 22:52 / sbd
Surr: Toluene-d8	116	%REC			79-122	SW8260B	10/20/03 22:52 / sbd

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-002
Client Sample ID: SIMW-3

Report Date: 10/27/03
Collection Date: 10/15/03 12:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Dichlorodifluoromethane	0.33	ug/L	J	1.0		SW8260B	10/20/03 23:28 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/20/03 23:28 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-002
Client Sample ID: SIMW-3

Report Date: 10/27/03
Collection Date: 10/15/03 12:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/20/03 23:28 / sbd
Surr: 1,2-Dichloroethane-d4	103	%REC			70-130	SW8260B	10/20/03 23:28 / sbd
Surr: Dibromofluoromethane	114	%REC			77-126	SW8260B	10/20/03 23:28 / sbd
Surr: p-Bromofluorobenzene	117	%REC			76-127	SW8260B	10/20/03 23:28 / sbd
Surr: Toluene-d8	113	%REC			79-122	SW8260B	10/20/03 23:28 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-003
Client Sample ID: SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	10/17/03 15:21 / kaw
Conductivity	1370	umhos/cm		1		A2510 B	10/17/03 15:00 / kaw
INORGANICS							
Chloride	135	mg/L		1		E300.0	10/21/03 20:37 / jb
Sulfate	167	mg/L		1		E300.0	10/21/03 20:37 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:38 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	24	mg/L		1		E410.4	10/21/03 09:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	10/20/03 13:06 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.7	10/21/03 15:46 / rth
Arsenic	ND	mg/L		0.005		E200.8	10/23/03 02:19 / jjw
Barium	ND	mg/L		0.1		E200.7	10/21/03 15:46 / rth
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 20:17 / rth
Cadmium	ND	mg/L		0.001		E200.8	10/23/03 02:19 / jjw
Chromium	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Cobalt	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Copper	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Iron	0.06	mg/L		0.03		E200.7	10/21/03 15:46 / rth
Lead	ND	mg/L		0.01		E200.8	10/23/03 02:19 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/23/03 02:19 / jjw
Nickel	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
Selenium	ND	mg/L		0.005		E200.8	10/23/03 02:19 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 20:17 / rth
Thallium	ND	mg/L		0.1		E200.7	10/20/03 20:17 / rth
Vanadium	ND	mg/L		0.1		E200.7	10/21/03 15:46 / rth
Zinc	ND	mg/L		0.01		E200.7	10/21/03 15:46 / rth
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-003
Client Sample ID: SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:04 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-003
Client Sample ID: SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 00:04 / sbd
Surr: 1,2-Dichloroethane-d4	102	%REC			70-130	SW8260B	10/21/03 00:04 / sbd
Surr: Dibromofluoromethane	118	%REC			77-126	SW8260B	10/21/03 00:04 / sbd
Surr: p-Bromofluorobenzene	117	%REC			76-127	SW8260B	10/21/03 00:04 / sbd
Surr: Toluene-d8	115	%REC			79-122	SW8260B	10/21/03 00:04 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-004
Client Sample ID: SIMW-4D

dupl for SIMW-4

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		E150.1	10/17/03 15:22 / kaw
Conductivity	1400	umhos/cm		1		A2510 B	10/17/03 15:00 / kaw
INORGANICS							
Chloride	135	mg/L		1		E300.0	10/21/03 20:49 / jb
Sulfate	167	mg/L		1		E300.0	10/21/03 20:49 / jb
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	10/20/03 12:40 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	26	mg/L		1		E410.4	10/21/03 09:00 / bis
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	10/20/03 13:07 / bis
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.7	10/21/03 15:49 / rh
Arsenic	ND	mg/L		0.005		E200.8	10/23/03 02:57 / jjw
Barium	ND	mg/L		0.1		E200.7	10/21/03 15:49 / rh
Beryllium	ND	mg/L		0.001		E200.7	10/20/03 20:21 / rh
Cadmium	ND	mg/L		0.001		E200.8	10/23/03 02:57 / jjw
Chromium	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Cobalt	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Copper	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Iron	0.06	mg/L		0.03		E200.7	10/21/03 15:49 / rh
Lead	ND	mg/L		0.01		E200.8	10/23/03 02:57 / jjw
Mercury	ND	mg/L		0.001		E200.8	10/23/03 02:57 / jjw
Nickel	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
Selenium	ND	mg/L		0.005		E200.8	10/23/03 02:57 / jjw
Silver	ND	mg/L		0.005		E200.7	10/20/03 20:21 / rh
Thallium	ND	mg/L		0.1		E200.7	10/20/03 20:21 / rh
Vanadium	ND	mg/L		0.1		E200.7	10/21/03 15:49 / rh
Zinc	ND	mg/L		0.01		E200.7	10/21/03 15:49 / rh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-004
Client Sample ID: SIMW-4D

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/21/03 00:41 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-004
Client Sample ID: SIMW-4D

Report Date: 10/27/03
Collection Date: 10/15/03 13:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 00:41 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC			70-130	SW8260B	10/21/03 00:41 / sbd
Surr: Dibromofluoromethane	115	%REC			77-126	SW8260B	10/21/03 00:41 / sbd
Surr: p-Bromofluorobenzene	116	%REC			76-127	SW8260B	10/21/03 00:41 / sbd
Surr: Toluene-d8	112	%REC			79-122	SW8260B	10/21/03 00:41 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-005
Client Sample ID: Trip Blank

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Benzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/20/03 19:16 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Styrene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Sanitation Inc Landfill
Lab ID: B03100951-005
Client Sample ID: Trip Blank

Report Date: 10/27/03
Collection Date: 10/15/03 11:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Toluene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	10/20/03 19:16 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC			70-130	SW8260B	10/20/03 19:16 / sbd
Surr: Dibromofluoromethane	118	%REC			77-126	SW8260B	10/20/03 19:16 / sbd
Surr: p-Bromofluorobenzene	114	%REC			76-127	SW8260B	10/20/03 19:16 / sbd
Surr: Toluene-d8	114	%REC			79-122	SW8260B	10/20/03 19:16 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Batch: PHSC031017A		
Sample ID: PHC10515	Laboratory Control Spike								10/17/03 10:56
Conductivity	150	umhos/cm	1.00	99.3	90	110			
Sample ID: PHC10514	Laboratory Control Spike								10/17/03 10:56
Conductivity	4940	umhos/cm	1.00	98.8	90	110			
Sample ID: DIH20	Method Blank								10/17/03 10:57
Conductivity	1.00	umhos/cm	1.00						
Sample ID: B03100934-001A	Sample Duplicate								10/17/03 13:34
Conductivity	3740	umhos/cm	1.00				1.9	10	
Sample ID: B03100934-011A	Sample Duplicate								10/17/03 13:37
Conductivity	4130	umhos/cm	1.00				0.7	10	
Sample ID: B03100934-021A	Sample Duplicate								10/17/03 14:41
Conductivity	904	umhos/cm	1.00				0.7	10	
Sample ID: B03100946-001A	Sample Duplicate								10/17/03 14:57
Conductivity	10600	umhos/cm	1.00				6.4	10	
Sample ID: B03100949-001A	Sample Duplicate								10/17/03 15:01
Conductivity	3260	umhos/cm	1.00				0.3	10	
Method: E150.1							Batch: PHSC031017A		
Sample ID: PHC10510	Laboratory Control Spike								10/17/03 10:57
pH	7.00	s.u.	0.100	100	90	110			
Sample ID: PHC10508	Laboratory Control Spike								10/17/03 10:57
pH	4.06	s.u.	0.100	102	90	110			
Sample ID: B03100934-001A	Sample Duplicate								10/17/03 13:48
pH	7.16	s.u.	0.100						
Sample ID: B03100934-011A	Sample Duplicate								10/17/03 13:56
pH	7.23	s.u.	0.100				0.1	10	
Sample ID: B03100934-021A	Sample Duplicate								10/17/03 14:48
pH	8.02	s.u.	0.100				1.5	10	
Sample ID: B03100946-001A	Sample Duplicate								10/17/03 15:12
pH	3.68	s.u.	0.100				0.5	10	
Sample ID: B03100949-001A	Sample Duplicate								10/17/03 15:23
pH	7.87	s.u.	0.100				0.5	10	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32681
Sample ID: MB-SPDIS031020A	Method Blank								10/20/03 17:05
Beryllium	ND	mg/L	0.0100						
Silver	ND	mg/L	0.0100						
Thallium	ND	mg/L	0.0100						
Sample ID: B03100664-004CMS2	Sample Matrix Spike								10/20/03 17:48
Beryllium	1.21	mg/L	0.00100	121	69.5	130.5			
Silver	1.21	mg/L	0.00500	121	69.5	130.5			
Sample ID: B03100664-004CMSD2	Sample Matrix Spike Duplicate								10/20/03 17:52
Beryllium	1.22	mg/L	0.00100	122	69.5	130.5	0.8	20	
Silver	1.20	mg/L	0.00500	120	69.5	130.5	0.3	20	
Sample ID: B03100934-004BMS2	Sample Matrix Spike								10/20/03 18:51
Beryllium	2.99	mg/L	0.00100	120	69.5	130.5			
Silver	2.97	mg/L	0.00510	119	69.5	130.5			
Thallium	6.05	mg/L	0.100	121	69.5	130.5			
Sample ID: B03100934-004BMSD2	Sample Matrix Spike Duplicate								10/20/03 18:56
Beryllium	2.97	mg/L	0.00100	119	69.5	130.5	0.9	20	
Silver	2.92	mg/L	0.00510	117	69.5	130.5	1.7	20	
Thallium	6.01	mg/L	0.100	120	69.5	130.5	0.8	20	
Sample ID: B03100951-001BMS2	Sample Matrix Spike								10/20/03 19:51
Beryllium	1.21	mg/L	0.00100	121	69.5	130.5			
Silver	1.19	mg/L	0.00500	119	69.5	130.5			
Thallium	2.45	mg/L	0.100	123	69.5	130.5			
Sample ID: B03100951-001BMSD2	Sample Matrix Spike Duplicate								10/20/03 19:55
Beryllium	1.18	mg/L	0.00100	118	69.5	130.5	2.7	20	
Silver	1.15	mg/L	0.00500	115	69.5	130.5	3.5	20	
Thallium	2.37	mg/L	0.100	119	69.5	130.5	3.3	20	
Sample ID: B03100998-002BMS2	Sample Matrix Spike								10/20/03 20:55
Beryllium	2.98	mg/L	0.00100	119	69.5	130.5			
Silver	2.90	mg/L	0.00510	116	69.5	130.5			
Thallium	5.97	mg/L	0.100	119	69.5	130.5			
Sample ID: B03100998-002BMSD2	Sample Matrix Spike Duplicate								10/20/03 21:08
Beryllium	3.02	mg/L	0.00100	121	69.5	130.5	1.4	20	
Silver	2.94	mg/L	0.00510	118	69.5	130.5	1.2	20	
Thallium	6.07	mg/L	0.100	121	69.5	130.5	1.7	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									
Sample ID: MB-SPDIS031021A	Method Blank								Batch: R32731
Antimony	ND	mg/L	0.0200						10/21/03 13:19
Barium	ND	mg/L	0.100						
Chromium	ND	mg/L	0.0500						
Cobalt	ND	mg/L	0.0200						
Copper	ND	mg/L	0.0100						
Iron	ND	mg/L	0.0300						
Nickel	ND	mg/L	0.0500						
Vanadium	ND	mg/L	0.100						
Zinc	0.00126	mg/L	0.0100						
Sample ID: B03100760-003AMS2	Sample Matrix Spike								10/21/03 14:40
Antimony	1.04	mg/L	0.0500	104	69.5	130.5			
Barium	1.05	mg/L	0.100	104	69.5	130.5			
Chromium	1.00	mg/L	0.0100	100	69.5	130.5			
Cobalt	1.03	mg/L	0.0100	103	69.5	130.5			
Copper	1.03	mg/L	0.0100	103	69.5	130.5			
Iron	5.16	mg/L	0.0300	103	69.5	130.5			
Nickel	1.02	mg/L	0.0100	102	69.5	130.5			
Vanadium	1.04	mg/L	0.100	104	69.5	130.5			
Zinc	1.03	mg/L	0.0100	103	69.5	130.5			
Sample ID: B03100760-003AMSD2	Sample Matrix Spike Duplicate								10/21/03 14:44
Antimony	1.05	mg/L	0.0500	105	69.5	130.5	1.3	20	
Barium	1.04	mg/L	0.100	104	69.5	130.5	0.3	20	
Chromium	1.00	mg/L	0.0100	100	69.5	130.5	0.2	20	
Cobalt	1.02	mg/L	0.0100	102	69.5	130.5	0.5	20	
Copper	1.00	mg/L	0.0100	100	69.5	130.5	3.0	20	
Iron	5.12	mg/L	0.0300	102	69.5	130.5	0.8	20	
Nickel	1.02	mg/L	0.0100	102	69.5	130.5	0.4	20	
Vanadium	1.03	mg/L	0.100	103	69.5	130.5	0	20	
Zinc	1.03	mg/L	0.0100	103	69.5	130.5	0.3	20	
Sample ID: B03100951-001BMS2	Sample Matrix Spike								10/21/03 15:26
Antimony	1.97	mg/L	0.0500	98.7	69.5	130.5			
Barium	2.06	mg/L	0.100	101	69.5	130.5			
Chromium	1.95	mg/L	0.0100	97.5	69.5	130.5			
Cobalt	1.99	mg/L	0.0100	99.6	69.5	130.5			
Copper	1.97	mg/L	0.0100	98.2	69.5	130.5			
Iron	11.6	mg/L	0.0300	101	69.5	130.5			
Nickel	1.98	mg/L	0.0100	99	69.5	130.5			
Vanadium	2.02	mg/L	0.100	101	69.5	130.5			
Zinc	1.99	mg/L	0.0100	98.9	69.5	130.5			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 10/23/03

Project: Sanitation Inc Landfill

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32731
Sample ID: B03100951-001BMSD2	Sample Matrix Spike Duplicate								10/21/03 15:30
Antimony	2.00	mg/L	0.0500	100	69.5	130.5	1.3	20	
Barium	2.05	mg/L	0.100	100	69.5	130.5	0.7	20	
Chromium	1.92	mg/L	0.0100	95.9	69.5	130.5	1.7	20	
Cobalt	1.96	mg/L	0.0100	98.1	69.5	130.5	1.4	20	
Copper	1.94	mg/L	0.0100	96.7	69.5	130.5	1.6	20	
Iron	11.4	mg/L	0.0300	98.6	69.5	130.5	2.0	20	
Nickel	1.95	mg/L	0.0100	97.6	69.5	130.5	1.5	20	
Vanadium	1.99	mg/L	0.100	99.2	69.5	130.5	1.4	20	
Zinc	1.96	mg/L	0.0100	97.2	69.5	130.5	1.8	20	
Sample ID: B03101005-001DMS2	Sample Matrix Spike								10/21/03 16:15
Antimony	9.84	mg/L	0.204	98.4	69.5	130.5			
Barium	10.0	mg/L	0.100	100	69.5	130.5			
Chromium	9.52	mg/L	0.0102	95.2	69.5	130.5			
Cobalt	9.72	mg/L	0.0102	97.2	69.5	130.5			
Copper	9.67	mg/L	0.0102	96.5	69.5	130.5			
Iron	61.3	mg/L	0.0300	98.1	69.5	130.5			
Nickel	9.65	mg/L	0.0306	96.5	69.5	130.5			
Vanadium	9.90	mg/L	0.100	99	69.5	130.5			
Zinc	9.68	mg/L	0.0102	96.6	69.5	130.5			
Sample ID: B03101005-001DMSD2	Sample Matrix Spike Duplicate								10/21/03 16:25
Antimony	9.83	mg/L	0.204	98.3	69.5	130.5	0.1	20	
Barium	9.90	mg/L	0.100	99	69.5	130.5	1.2	20	
Chromium	9.52	mg/L	0.0102	95.2	69.5	130.5	0	20	
Cobalt	9.71	mg/L	0.0102	97.1	69.5	130.5	0.1	20	
Copper	9.63	mg/L	0.0102	96.1	69.5	130.5	0.4	20	
Iron	61.2	mg/L	0.0300	97.9	69.5	130.5	0.2	20	
Nickel	9.71	mg/L	0.0306	97.1	69.5	130.5	0.6	20	
Vanadium	9.91	mg/L	0.100	99.1	69.5	130.5	0.1	20	
Zinc	9.65	mg/L	0.0102	96.3	69.5	130.5	0.3	20	
Sample ID: B03101004-005BMS2	Sample Matrix Spike								10/21/03 17:07
Antimony	1.93	mg/L	0.0500	96.7	69.5	130.5			
Barium	2.05	mg/L	0.100	95.7	69.5	130.5			
Chromium	1.87	mg/L	0.0100	93.6	69.5	130.5			
Cobalt	2.11	mg/L	0.0100	95.2	69.5	130.5			
Copper	1.87	mg/L	0.0100	93.7	69.5	130.5			
Iron	9.58	mg/L	0.0300	95.7	69.5	130.5			
Nickel	1.90	mg/L	0.0100	95.1	69.5	130.5			
Vanadium	1.92	mg/L	0.100	96.2	69.5	130.5			
Zinc	1.90	mg/L	0.0100	94.9	69.5	130.5			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R32731
Sample ID: B03101004-005BMSD2	Sample Matrix Spike Duplicate								10/21/03 17:11
Antimony	1.93	mg/L	0.0500	96.4	69.5	130.5	0.3	20	
Barium	2.05	mg/L	0.100	96	69.5	130.5	0.3	20	
Chromium	1.86	mg/L	0.0100	92.9	69.5	130.5	0.8	20	
Cobalt	2.10	mg/L	0.0100	95.1	69.5	130.5	0	20	
Copper	1.87	mg/L	0.0100	93.6	69.5	130.5	0.1	20	
Iron	9.56	mg/L	0.0300	95.5	69.5	130.5	0.1	20	
Nickel	1.89	mg/L	0.0100	94.6	69.5	130.5	0.5	20	
Vanadium	1.93	mg/L	0.100	96.3	69.5	130.5	0.1	20	
Zinc	1.90	mg/L	0.0100	94.6	69.5	130.5	0.3	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Batch: R32682									
Sample ID: LRB	Method Blank								10/20/03 12:18
Antimony	0.000113	mg/L	0.0500						
Arsenic	ND	mg/L	0.00500						
Barium	0.0000280	mg/L	0.100						
Cadmium	ND	mg/L	0.00100						
Cobalt	ND	mg/L	0.0100						
Copper	ND	mg/L	0.0100						
Lead	0.0000220	mg/L	0.0100						
Nickel	ND	mg/L	0.0100						
Selenium	ND	mg/L	0.00500						
Zinc	0.00191	mg/L	0.0100						
Sample ID: B03100671-004CMS									
Sample Matrix Spike									
Antimony	0.0538	mg/L	0.0500	108	70	130			10/20/03 13:49
Arsenic	0.164	mg/L	0.00500	101	70	130			
Barium	0.0752	mg/L	0.100	101	70	130			
Cadmium	0.0488	mg/L	0.00100	97.5	70	130			
Chromium	0.0403	mg/L	0.0100	80.5	70	130			
Cobalt	0.0467	mg/L	0.0100	86.3	70	130			
Copper	0.0432	mg/L	0.0100	85.5	70	130			
Lead	0.0521	mg/L	0.0100	104	70	130			
Mercury	0.00127	mg/L	0.00100	127	70	130			
Nickel	0.0519	mg/L	0.0100	83.8	70	130			
Selenium	0.0532	mg/L	0.00500	106	70	130			
Vanadium	0.0412	mg/L	0.100	82.3	70	130			
Zinc	0.0726	mg/L	0.0100	86	70	130			
Sample ID: B03100671-004CMSD									
Sample Matrix Spike Duplicate									
Antimony	0.0532	mg/L	0.0500	106	70	130	1.2	20	10/20/03 13:55
Arsenic	0.161	mg/L	0.00500	96.4	70	130	1.5	20	
Barium	0.0735	mg/L	0.100	97.8	70	130	0	20	
Cadmium	0.0478	mg/L	0.00100	95.5	70	130	2.1	20	
Chromium	0.0403	mg/L	0.0100	80.6	70	130	0	20	
Cobalt	0.0462	mg/L	0.0100	85.3	70	130	1.1	20	
Copper	0.0428	mg/L	0.0100	84.7	70	130	0.8	20	
Lead	0.0507	mg/L	0.0100	101	70	130	2.6	20	
Mercury	0.00113	mg/L	0.00100	113	70	130	11	20	
Nickel	0.0515	mg/L	0.0100	83	70	130	0.8	20	
Selenium	0.0525	mg/L	0.00500	105	70	130	1.4	20	
Vanadium	0.0414	mg/L	0.100	82.9	70	130	0	20	
Zinc	0.0708	mg/L	0.0100	82.4	70	130	2.5	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Batch: R32682									
Sample ID: B03100671-004CMS	Sample Matrix Spike								
Antimony	0.0515	mg/L	0.0500	103	70	130			10/20/03 18:01
Arsenic	0.165	mg/L	0.00500	102	70	130			
Barium	0.0777	mg/L	0.100	105	70	130			
Cadmium	0.0496	mg/L	0.00100	99	70	130			
Chromium	0.0542	mg/L	0.0100	108	70	130			
Cobalt	0.0550	mg/L	0.0100	102	70	130			
Copper	0.0496	mg/L	0.0100	98.2	70	130			
Lead	0.0522	mg/L	0.0100	104	70	130			
Mercury	0.00112	mg/L	0.00100	112	70	130			
Nickel	0.0625	mg/L	0.0100	101	70	130			
Selenium	0.0506	mg/L	0.00500	100	70	130			
Vanadium	0.0568	mg/L	0.100	114	70	130			
Zinc	0.0752	mg/L	0.0100	88.8	70	130			
Sample ID: B03100671-004CMSD	Sample Matrix Spike Duplicate								
Antimony	0.0521	mg/L	0.0500	104	70	130	1.2	20	10/20/03 18:06
Arsenic	0.164	mg/L	0.00500	101	70	130	0.4	20	
Barium	0.0785	mg/L	0.100	106	70	130	0	20	
Cadmium	0.0499	mg/L	0.00100	99.5	70	130	0.6	20	
Chromium	0.0536	mg/L	0.0100	107	70	130	0.9	20	
Cobalt	0.0545	mg/L	0.0100	101	70	130	0.8	20	
Copper	0.0487	mg/L	0.0100	96.3	70	130	2.0	20	
Lead	0.0522	mg/L	0.0100	104	70	130	0	20	
Mercury	0.00108	mg/L	0.00100	108	70	130	3.4	20	
Nickel	0.0617	mg/L	0.0100	99.8	70	130	1.3	20	
Selenium	0.0513	mg/L	0.00500	102	70	130	1.5	20	
Vanadium	0.0561	mg/L	0.100	112	70	130	0	20	
Zinc	0.0766	mg/L	0.0100	91.6	70	130	1.8	20	
Sample ID: B03100856-002BMS	Sample Matrix Spike								
Antimony	0.0520	mg/L	0.00300	104	70	130			10/20/03 21:11
Arsenic	0.0563	mg/L	0.00500	104	70	130			
Barium	0.298	mg/L	0.100	93.8	70	130			
Cadmium	0.0497	mg/L	0.00100	99.3	70	130			A
Chromium	0.0534	mg/L	0.0100	100	70	130			
Cobalt	0.0479	mg/L	0.0100	95.5	70	130			
Copper	0.0494	mg/L	0.0100	92.8	70	130			
Lead	0.0510	mg/L	0.00100	102	70	130			
Mercury	0.000940	mg/L	0.000200	91.6	70	130			
Nickel	0.0492	mg/L	0.0100	93.3	70	130			
Selenium	0.0547	mg/L	0.00500	105	70	130			
Vanadium	0.0574	mg/L	0.0100	103	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Batch: R32682									
Sample ID: B03100856-002BMS	Sample Matrix Spike								
Zinc	0.0497	mg/L	0.0100	92.4	70	130			10/20/03 21:11
Sample ID: B03100856-002BMSD	Sample Matrix Spike Duplicate								
Antimony	0.0515	mg/L	0.00300	103	70	130	1.0	20	10/20/03 21:16
Arsenic	0.0560	mg/L	0.00500	104	70	130	0.6	20	
Barium	0.297	mg/L	0.100	91.6	70	130	0.4	20	A
Cadmium	0.0490	mg/L	0.00100	97.9	70	130	1.4	20	
Chromium	0.0543	mg/L	0.0100	102	70	130	1.6	20	
Cobalt	0.0479	mg/L	0.0100	95.5	70	130	0	20	
Copper	0.0495	mg/L	0.0100	93	70	130	0.2	20	
Lead	0.0515	mg/L	0.00100	103	70	130	1.0	20	
Mercury	0.00101	mg/L	0.000200	98.8	70	130	7.4	20	
Nickel	0.0495	mg/L	0.0100	94	70	130	0.7	20	
Selenium	0.0542	mg/L	0.00500	104	70	130	1.0	20	
Vanadium	0.0590	mg/L	0.0100	106	70	130	2.7	20	
Zinc	0.0495	mg/L	0.0100	92.1	70	130	0.3	20	
Sample ID: B03100966-004AMS	Sample Matrix Spike								
Antimony	0.0515	mg/L	0.00300	103	70	130			10/21/03 01:46
Arsenic	0.0528	mg/L	0.00500	105	70	130			
Barium	0.0518	mg/L	0.100	103	70	130			
Cadmium	0.0514	mg/L	0.00100	103	70	130			
Chromium	0.0523	mg/L	0.0100	104	70	130			
Cobalt	0.0518	mg/L	0.0100	104	70	130			
Copper	0.680	mg/L	0.0100	121	70	130			A
Lead	0.0530	mg/L	0.00100	104	70	130			
Mercury	0.000990	mg/L	0.000200	99	70	130			
Nickel	0.0507	mg/L	0.0100	101	70	130			
Selenium	0.0531	mg/L	0.00500	106	70	130			
Vanadium	0.0527	mg/L	0.0100	105	70	130			
Zinc	0.104	mg/L	0.0100	98.2	70	130			
Sample ID: B03100966-004AMSD	Sample Matrix Spike Duplicate								
Antimony	0.0518	mg/L	0.00300	104	70	130	0.6	20	10/21/03 01:51
Arsenic	0.0527	mg/L	0.00500	105	70	130	0.2	20	
Barium	0.0509	mg/L	0.100	101	70	130	0	20	
Cadmium	0.0503	mg/L	0.00100	101	70	130	2.2	20	
Chromium	0.0527	mg/L	0.0100	105	70	130	0.7	20	
Cobalt	0.0513	mg/L	0.0100	103	70	130	1.1	20	
Copper	0.667	mg/L	0.0100	94.8	70	130	2.0	20	A
Lead	0.0530	mg/L	0.00100	104	70	130	0	20	
Mercury	0.000996	mg/L	0.000200	99.6	70	130	0.6	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R32682		
Sample ID: B03100966-004AMSD	Sample Matrix Spike Duplicate								10/21/03 01:51
Nickel	0.0501	mg/L	0.0100	99.9	70	130	1.2	20	
Selenium	0.0545	mg/L	0.00500	109	70	130	2.5	20	
Vanadium	0.0531	mg/L	0.0100	105	70	130	0.7	20	
Zinc	0.105	mg/L	0.0100	101	70	130	1.2	20	

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Sample ID: LRB									
Method Blank									
Arsenic	0.0000710	mg/L		0.00500					Batch: R32791
Cadmium	ND	mg/L		0.00100					10/22/03 18:02
Lead	ND	mg/L		0.0100					
Mercury	0.0000160	mg/L		0.00100					
Selenium	ND	mg/L		0.00500					
Sample ID: B03101005-001DMS									
Sample Matrix Spike									
Arsenic	0.237	mg/L		0.00500	93.1	70	130		10/22/03 19:50
Cadmium	0.230	mg/L		0.00100	91.9	70	130		
Lead	0.265	mg/L		0.0100	106	70	130		
Selenium	0.266	mg/L		0.00500	105	70	130		
Sample ID: B03101005-001DMSD									
Sample Matrix Spike Duplicate									
Arsenic	0.241	mg/L		0.00500	94.7	70	130	1.7	10/22/03 19:56
Cadmium	0.234	mg/L		0.00100	93.5	70	130	1.8	20
Lead	0.265	mg/L		0.0100	106	70	130	0	20
Selenium	0.275	mg/L		0.00500	108	70	130	3.1	20
Sample ID: B03100951-003BMS									
Sample Matrix Spike									
Arsenic	0.0544	mg/L		0.00500	107	70	130		10/23/03 02:24
Cadmium	0.0502	mg/L		0.00100	100	70	130		
Lead	0.0556	mg/L		0.0100	110	70	130		
Mercury	0.00108	mg/L		0.00100	108	70	130		
Selenium	0.0551	mg/L		0.00500	108	70	130		
Sample ID: B03100951-003BMSD									
Sample Matrix Spike Duplicate									
Arsenic	0.0560	mg/L		0.00500	111	70	130	3.1	10/23/03 02:30
Cadmium	0.0509	mg/L		0.00100	102	70	130	1.4	20
Lead	0.0560	mg/L		0.0100	111	70	130	0.8	20
Mercury	0.00116	mg/L		0.00100	116	70	130	7.1	20
Selenium	0.0556	mg/L		0.00500	109	70	130	0.9	20
Sample ID: B03100966-001AMS									
Sample Matrix Spike									
Arsenic	0.0546	mg/L		0.00500	108	70	130		10/23/03 04:28
Cadmium	0.0496	mg/L		0.00100	99.2	70	130		
Lead	0.0531	mg/L		0.00100	104	70	130		
Mercury	0.00105	mg/L		0.000200	105	70	130		
Selenium	0.0545	mg/L		0.00500	109	70	130		

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32724
Sample ID: ICB	Method Blank								10/21/03 16:34
Chloride	ND	mg/L	1.00						
Sulfate	ND	mg/L	1.00						
Sample ID: B03100946-007A MS	Sample Matrix Spike								10/21/03 17:35
Chloride	41.6	mg/L	1.00	106	90	110			A
Sulfate	269	mg/L	1.00	104	90	110			A
Sample ID: B03100946-007A MSD	Sample Matrix Spike Duplicate								10/21/03 17:47
Chloride	41.6	mg/L	1.00	107	90	110	0.2	20	A
Sulfate	269	mg/L	1.00	104	90	110	0	20	A
Sample ID: B03100951-002A MS	Sample Matrix Spike								10/21/03 20:13
Chloride	41.9	mg/L	1.00	109	90	110			A
Sulfate	187	mg/L	1.00	112	90	110			SA
Sample ID: B03100951-002A MSD	Sample Matrix Spike Duplicate								10/21/03 20:25
Chloride	41.9	mg/L	1.00	109	90	110	0	20	A
Sulfate	187	mg/L	1.00	111	90	110	0.2	20	SA
Sample ID: B03100985-004A MS	Sample Matrix Spike								10/21/03 22:50
Chloride	102	mg/L	1.00	93.3	90	110			
Sulfate	1150	mg/L	2.70	116	90	110			S
Sample ID: B03100985-004A MSD	Sample Matrix Spike Duplicate								10/21/03 23:02
Chloride	102	mg/L	1.00	93.3	90	110	0	20	
Sulfate	1150	mg/L	2.70	116	90	110	0	20	S
Sample ID: B03101004-004A MS	Sample Matrix Spike								10/22/03 01:40
Chloride	37.3	mg/L	1.00	110	90	110			S
Sulfate	417	mg/L	1.00	119	90	110			SA
Sample ID: B03101004-004A MSD	Sample Matrix Spike Duplicate								10/22/03 01:52
Chloride	37.4	mg/L	1.00	111	90	110	0.4	20	S
Sulfate	418	mg/L	1.00	120	90	110	0.2	20	SA
Sample ID: B03100162-001AMS	Sample Matrix Spike								10/22/03 04:30
Chloride	109	mg/L	1.00	100	90	110			
Sulfate	2100	mg/L	2.70	116	90	110			SA
Sample ID: B03100162-001AMSD	Sample Matrix Spike Duplicate								10/22/03 04:42
Chloride	111	mg/L	1.00	102	90	110	1.3	20	
Sulfate	2110	mg/L	2.70	119	90	110	0.5	20	SA

Qualifiers: RL - Analyte reporting limit.
 S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.
 A - The analyte level was greater than four times the spike level.



QA/QC Summary Report

Client: Sanitation Inc.

Project: Sanitation Inc Landfill

Report Date: 10/23/03

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E335.4									
Batch: A2003-10-20_4_CN_01									
Sample ID: B03100948-001DMS	Sample Matrix Spike								10/20/03 12:18
Cyanide, Total Manual Distillation	0.109	mg/L	0.00500	109	90	110			
Sample ID: B03100948-001DMSD	Sample Matrix Spike Duplicate								10/20/03 12:20
Cyanide, Total Manual Distillation	0.111	mg/L	0.00500	111	90	110	1.5	10	S
Sample ID: B03100951-004DMS	Sample Matrix Spike								10/20/03 12:42
Cyanide, Total Manual Distillation	0.106	mg/L	0.00500	106	90	110			
Sample ID: B03100951-004DMSD	Sample Matrix Spike Duplicate								10/20/03 12:44
Cyanide, Total Manual Distillation	0.106	mg/L	0.00500	106	90	110	0.3	10	
Sample ID: B03100951-005DMS	Sample Matrix Spike								10/20/03 12:46
Cyanide, Total Manual Distillation	1.25	mg/L	0.00500	125	90	110	1.7	10	
Sample ID: B03100951-005DMSD	Sample Matrix Spike Duplicate								10/20/03 12:48
Cyanide, Total Manual Distillation	1.28	mg/L	0.00500	128	90	110			
Sample ID: B03100951-006DMS	Sample Matrix Spike								10/20/03 12:50
Cyanide, Total Manual Distillation	0.9	mg/L	0.00500	90	90	110	1.2	10	
Sample ID: B03100951-006DMSD	Sample Matrix Spike Duplicate								10/20/03 12:52
Cyanide, Total Manual Distillation	1.05	mg/L	0.00500	105	90	110			
Sample ID: B03100951-007DMS	Sample Matrix Spike								10/20/03 12:54
Cyanide, Total Manual Distillation	1.05	mg/L	0.00500	105	90	110	2.7	10	
Sample ID: B03100951-007DMSD	Sample Matrix Spike Duplicate								10/20/03 12:56
Cyanide, Total Manual Distillation	1.05	mg/L	0.00500	105	90	110			
Sample ID: B03100951-008DMS	Sample Matrix Spike								10/20/03 12:58
Cyanide, Total Manual Distillation	2.05	mg/L	0.00500	205	90	110	0.4	10	
Sample ID: B03100951-008DMSD	Sample Matrix Spike Duplicate								10/20/03 13:00
Cyanide, Total Manual Distillation	2.28	mg/L	0.00500	228	90	110			
Sample ID: B03100951-009DMS	Sample Matrix Spike								10/20/03 13:02
Cyanide, Total Manual Distillation	2.2	mg/L	0.00500	220	90	110	0.4	10	

Qualifiers: RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: 03102001-NN2		
Sample ID: MBLK	Method Blank								
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.0500						10/20/03 12:28
Sample ID: B03100931-001B MS	Sample Matrix Spike								10/20/03 12:33
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.0500	104	90	110			
Sample ID: B03100931-001B MSD	Sample Matrix Spike Duplicate								10/20/03 12:34
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.0500	103	90	110	1.0	10	
Sample ID: B03100988-001A MS	Sample Matrix Spike								10/20/03 12:43
Nitrogen, Nitrate+Nitrite as N	1.29	mg/L	0.0500	105	90	110			
Sample ID: B03100988-001A MSD	Sample Matrix Spike Duplicate								10/20/03 12:44
Nitrogen, Nitrate+Nitrite as N	1.28	mg/L	0.0500	104	90	110	0.7	10	
Sample ID: B03100881-001B MS	Sample Matrix Spike								10/20/03 12:53
Nitrogen, Nitrate+Nitrite as N	1.08	mg/L	0.0500	104	90	110			
Sample ID: B03100881-001B MSD	Sample Matrix Spike Duplicate								10/20/03 12:54
Nitrogen, Nitrate+Nitrite as N	1.06	mg/L	0.0500	103	90	110	1.2	10	
Sample ID: B03100914-001A MS	Sample Matrix Spike								10/20/03 13:03
Nitrogen, Nitrate+Nitrite as N	1.98	mg/L	0.0500	101	90	110			
Sample ID: B03100914-001A MSD	Sample Matrix Spike Duplicate								10/20/03 13:04
Nitrogen, Nitrate+Nitrite as N	1.97	mg/L	0.0500	99.2	90	110	0.7	10	
Sample ID: B03100989-001C MS	Sample Matrix Spike								10/20/03 13:13
Nitrogen, Nitrate+Nitrite as N	3.55	mg/L	0.0500	96.5	90	110			
Sample ID: B03100989-001C MSD	Sample Matrix Spike Duplicate								10/20/03 13:14
Nitrogen, Nitrate+Nitrite as N	3.54	mg/L	0.0500	95.1	90	110	0.4	10	
Sample ID: B03100891-001B MS	Sample Matrix Spike								10/20/03 13:23
Nitrogen, Nitrate+Nitrite as N	2.36	mg/L	0.0500	100	90	110			
Sample ID: B03100891-001B MSD	Sample Matrix Spike Duplicate								10/20/03 13:23
Nitrogen, Nitrate+Nitrite as N	2.35	mg/L	0.0500	99.2	90	110	0.4	10	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/23/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									
Sample ID: MB-R32725	Method Blank								Batch: R32725
Oxygen Demand, Chemical (COD)	ND	mg/L	1.00						10/21/03 09:00
Sample ID: LCS-R32725	Laboratory Control Spike								10/21/03 09:00
Oxygen Demand, Chemical (COD)	182	mg/L	1.00	97.3	90	110			
Sample ID: B03100923-001BMS	Sample Matrix Spike								10/21/03 09:00
Oxygen Demand, Chemical (COD)	28.3	mg/L	1.00	87.3	90	110			S
Sample ID: B03100923-001BMDS	Sample Matrix Spike Duplicate								10/21/03 09:00
Oxygen Demand, Chemical (COD)	28.5	mg/L	1.00	88.1	90	110	0.7		10 S
Sample ID: B03100951-002CMS	Sample Matrix Spike								10/21/03 09:00
Oxygen Demand, Chemical (COD)	26.6	mg/L	1.00	101	90	110			
Sample ID: B03100951-002CMSD	Sample Matrix Spike Duplicate								10/21/03 09:00
Oxygen Demand, Chemical (COD)	26.3	mg/L	1.00	99.6	90	110	1.1		10

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									
Sample ID: lcs102103	Laboratory Control Spike								Batch: R32683
Acetone	56.4	ug/L	20.0	113	62	130			10/20/03 16:55
Acrylonitrile	49.2	ug/L	20.0	98.4	72	124			
Benzene	4.60	ug/L	1.00	92	71	133			
Bromochloromethane	4.40	ug/L	1.00	88	68	131			
Bromodichloromethane	4.60	ug/L	1.00	92	67	138			
Bromoform	4.56	ug/L	1.00	91.2	64	136			
Bromomethane	5.80	ug/L	1.00	116	60	138			
Carbon disulfide	4.24	ug/L	1.00	84.8	45	162			
Carbon tetrachloride	4.48	ug/L	1.00	89.6	61	144			
Chlorobenzene	4.64	ug/L	1.00	92.8	78	136			
Chlorodibromomethane	4.60	ug/L	1.00	92	72	136			
Chloroethane	5.04	ug/L	1.00	101	64	136			
Chloroform	4.36	ug/L	1.00	87.2	69	133			
Chloromethane	6.88	ug/L	1.00	138	63	149			
1,2-Dibromo-3-chloropropane	4.24	ug/L	1.00	84.8	63	125			
1,2-Dibromoethane	4.76	ug/L	1.00	95.2	75	131			
Dibromomethane	4.72	ug/L	1.00	94.4	72	133			
1,2-Dichlorobenzene	4.64	ug/L	1.00	92.8	78	129			
1,4-Dichlorobenzene	4.64	ug/L	1.00	92.8	78	132			
trans-1,4-Dichloro-2-butene	5.04	ug/L	1.00	101	62	123			
Dichlorodifluoromethane	6.00	ug/L	1.00	120	55	141			
1,1-Dichloroethane	4.48	ug/L	1.00	89.6	72	130			
1,2-Dichloroethane	4.68	ug/L	1.00	93.6	57	146			
1,1-Dichloroethene	4.84	ug/L	1.00	96.8	66	142			
cis-1,2-Dichloroethene	4.72	ug/L	1.00	94.4	74	133			
trans-1,2-Dichloroethene	4.96	ug/L	1.00	99.2	76	138			
1,2-Dichloropropane	4.84	ug/L	1.00	96.8	72	135			
cis-1,3-Dichloropropene	4.76	ug/L	1.00	95.2	75	132			
trans-1,3-Dichloropropene	5.32	ug/L	1.00	106	77	145			
Ethylbenzene	4.84	ug/L	1.00	96.8	78	131			
2-Hexanone	51.6	ug/L	20.0	103	72	131			
Iodomethane	4.44	ug/L	1.00	88.8	70	140			
Methyl ethyl ketone	47.6	ug/L	20.0	95.2	55	145			
Methyl isobutyl ketone	52.8	ug/L	20.0	106	73	129			
Methylene chloride	4.84	ug/L	1.00	96.8	73	126			
Styrene	4.92	ug/L	1.00	98.4	76	134			
1,1,1,2-Tetrachloroethane	4.72	ug/L	1.00	94.4	75	135			
1,1,2,2-Tetrachloroethane	4.88	ug/L	1.00	97.6	72	132			
Tetrachloroethene	4.52	ug/L	1.00	90.4	78	137			
Toluene	4.96	ug/L	1.00	99.2	78	134			
1,1,1-Trichloroethane	4.32	ug/L	1.00	86.4	64	141			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R32683		
Sample ID: lcs102103	Laboratory Control Spike						10/20/03 16:55		
1,1,2-Trichloroethane	4.72	ug/L	1.00	94.4	72	133			
Trichloroethene	4.60	ug/L	1.00	92	75	138			
Trichlorofluoromethane	4.72	ug/L	1.00	94.4	58	139			
1,2,3-Trichloropropane	4.80	ug/L	1.00	96	67	133			
Vinyl acetate	4.48	ug/L	1.00	89.6	42	120			
Vinyl chloride	5.24	ug/L	1.00	105	66	140			
m+p-Xylenes	9.64	ug/L	1.00	96.4	78	133			
o-Xylene	4.76	ug/L	1.00	95.2	79	136			
Surr: 1,2-Dichloroethane-d4			1.00	102	70	130			
Surr: Dibromofluoromethane			1.00	118	77	126			
Surr: p-Bromofluorobenzene			1.00	116	76	127			
Surr: Toluene-d8			1.00	115	79	122			
Sample ID: mblk102103	Method Blank						10/20/03 18:05		
Acetone	ND	ug/L	20.0						
Acrylonitrile	ND	ug/L	20.0						
Benzene	ND	ug/L	1.00						
Bromochloromethane	ND	ug/L	1.00						
Bromodichloromethane	ND	ug/L	1.00						
Bromoform	ND	ug/L	1.00						
Bromomethane	ND	ug/L	1.00						
Carbon disulfide	ND	ug/L	1.00						
Carbon tetrachloride	ND	ug/L	1.00						
Chlorobenzene	ND	ug/L	1.00						
Chlorodibromomethane	ND	ug/L	1.00						
Chloroethane	ND	ug/L	1.00						
Chloroform	ND	ug/L	1.00						
Chloromethane	ND	ug/L	1.00						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.00						
1,2-Dibromoethane	ND	ug/L	1.00						
Dibromomethane	ND	ug/L	1.00						
1,2-Dichlorobenzene	ND	ug/L	1.00						
1,4-Dichlorobenzene	ND	ug/L	1.00						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.00						
Dichlorodifluoromethane	ND	ug/L	1.00						
1,1-Dichloroethane	ND	ug/L	1.00						
1,2-Dichloroethane	ND	ug/L	1.00						
1,1-Dichloroethene	ND	ug/L	1.00						
cis-1,2-Dichloroethene	ND	ug/L	1.00						
trans-1,2-Dichloroethene	ND	ug/L	1.00						
1,2-Dichloropropane	ND	ug/L	1.00						
cis-1,3-Dichloropropene	ND	ug/L	1.00						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: mbik102103	Method Blank								10/20/03 18:05
trans-1,3-Dichloropropene	ND	ug/L	1.00						
Ethylbenzene	ND	ug/L	1.00						
2-Hexanone	ND	ug/L	20.0						
Iodomethane	ND	ug/L	1.00						
Methyl ethyl ketone	ND	ug/L	20.0						
Methyl isobutyl ketone	ND	ug/L	20.0						
Methylene chloride	ND	ug/L	1.00						
Styrene	ND	ug/L	1.00						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00						
Tetrachloroethene	ND	ug/L	1.00						
Toluene	ND	ug/L	1.00						
1,1,1-Trichloroethane	ND	ug/L	1.00						
1,1,2-Trichloroethane	ND	ug/L	1.00						
Trichloroethene	ND	ug/L	1.00						
Trichlorofluoromethane	ND	ug/L	1.00						
1,2,3-Trichloropropane	ND	ug/L	1.00						
Vinyl acetate	ND	ug/L	1.00						
Vinyl chloride	ND	ug/L	1.00						
m+p-Xylenes	ND	ug/L	1.00						
o-Xylene	ND	ug/L	1.00						
Surr: 1,2-Dichloroethane-d4			1.00	99.6	70	130			
Surr: Dibromofluoromethane			1.00	116	77	126			
Surr: p-Bromofluorobenzene			1.00	116	76	127			
Surr: Toluene-d8			1.00	111	79	122			
Sample ID: B03100948-001Ems	Sample Matrix Spike								10/21/03 11:31
Acetone	120	ug/L	40.0	120	62	130			
Acrylonitrile	104	ug/L	40.0	104	72	124			
Benzene	9.52	ug/L	2.00	95.2	71	133			
Bromochloromethane	8.88	ug/L	2.00	88.8	68	131			
Bromodichloromethane	9.36	ug/L	2.00	93.6	67	138			
Bromoform	9.44	ug/L	2.00	94.4	64	136			
Bromomethane	10.0	ug/L	2.00	100	60	138			
Carbon disulfide	10.1	ug/L	2.00	101	45	162			
Carbon tetrachloride	9.04	ug/L	2.00	90.4	61	144			
Chlorobenzene	9.44	ug/L	2.00	94.4	78	136			
Chlorodibromomethane	9.52	ug/L	2.00	95.2	72	136			
Chloroethane	9.28	ug/L	2.00	92.8	64	136			
Chloroform	9.04	ug/L	2.00	90.4	69	133			
Chloromethane	12.8	ug/L	2.00	128	63	149			
1,2-Dibromo-3-chloropropane	8.72	ug/L	2.00	87.2	63	125			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R32683		
Sample ID: B03100948-001Ems	Sample Matrix Spike								10/21/03 11:31
1,2-Dibromoethane	9.60	ug/L	2.00	96	75	131			
Dibromomethane	9.68	ug/L	2.00	96.8	72	133			
1,2-Dichlorobenzene	9.60	ug/L	2.00	96	78	129			
1,4-Dichlorobenzene	9.60	ug/L	2.00	96	78	132			
trans-1,4-Dichloro-2-butene	10.6	ug/L	2.00	106	62	123			
Dichlorodifluoromethane	11.9	ug/L	2.00	119	55	141			
1,1-Dichloroethane	9.92	ug/L	2.00	99.2	72	130			
1,2-Dichloroethane	9.68	ug/L	2.00	96.8	57	146			
1,1-Dichloroethene	10.4	ug/L	2.00	104	66	142			
cis-1,2-Dichloroethene	9.84	ug/L	2.00	98.4	74	133			
trans-1,2-Dichloroethene	10.1	ug/L	2.00	101	76	138			
1,2-Dichloropropane	10.0	ug/L	2.00	100	72	135			
cis-1,3-Dichloropropene	9.76	ug/L	2.00	97.6	75	132			
trans-1,3-Dichloropropene	10.7	ug/L	2.00	107	77	145			
Ethylbenzene	9.60	ug/L	2.00	96	78	131			
2-Hexanone	106	ug/L	40.0	106	72	131			
Iodomethane	9.04	ug/L	2.00	90.4	70	140			
Methyl ethyl ketone	97.6	ug/L	40.0	97.6	55	145			
Methyl isobutyl ketone	100	ug/L	40.0	100	73	129			
Methylene chloride	10.0	ug/L	2.00	100	73	126			
Styrene	9.76	ug/L	2.00	97.6	76	134			
1,1,1,2-Tetrachloroethane	9.60	ug/L	2.00	96	75	135			
1,1,2,2-Tetrachloroethane	10.2	ug/L	2.00	102	72	132			
Tetrachloroethene	9.60	ug/L	2.00	96	78	137			
Toluene	9.84	ug/L	2.00	98.4	78	134			
1,1,1-Trichloroethane	8.88	ug/L	2.00	88.8	64	141			
1,1,2-Trichloroethane	9.52	ug/L	2.00	95.2	72	133			
Trichloroethene	9.44	ug/L	2.00	94.4	75	138			
Trichlorofluoromethane	9.68	ug/L	2.00	96.8	58	139			
1,2,3-Trichloropropane	10.1	ug/L	2.00	101	67	133			
Vinyl acetate	9.28	ug/L	2.00	92.8	42	120			
Vinyl chloride	9.68	ug/L	2.00	96.8	66	140			
m+p-Xylenes	19.2	ug/L	2.00	96	78	133			
o-Xylene	9.68	ug/L	2.00	96.8	79	136			
Surr: 1,2-Dichloroethane-d4			2.00	104	70	130			
Surr: Dibromofluoromethane			2.00	116	77	126			
Surr: p-Bromofluorobenzene			2.00	119	76	127			
Surr: Toluene-d8			2.00	115	79	122			
Sample ID: B03100948-001Emsd	Sample Matrix Spike Duplicate								10/21/03 12:07
Acetone	118	ug/L	40.0	118	62	130	2.0	20	
Acrylonitrile	104	ug/L	40.0	104	72	124	0	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 10/22/03

Project: Sanitation Inc Landfill

Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: B03100948-001Emsd	Sample Matrix Spike Duplicate								10/21/03 12:07
Benzene	9.28	ug/L	2.00	92.8	71	133	2.6	20	
Bromochloromethane	8.72	ug/L	2.00	87.2	68	131	1.8	20	
Bromodichloromethane	9.28	ug/L	2.00	92.8	67	138	0.9	20	
Bromoform	9.20	ug/L	2.00	92	64	136	2.6	20	
Bromomethane	9.92	ug/L	2.00	99.2	60	138	0.8	20	
Carbon disulfide	9.04	ug/L	2.00	90.4	45	162	11	20	
Carbon tetrachloride	8.64	ug/L	2.00	86.4	61	144	4.5	20	
Chlorobenzene	9.28	ug/L	2.00	92.8	78	136	1.7	20	
Chlorodibromomethane	9.28	ug/L	2.00	92.8	72	136	2.6	20	
Chloroethane	9.92	ug/L	2.00	99.2	64	136	6.7	20	
Chloroform	8.88	ug/L	2.00	88.8	69	133	1.8	20	
Chloromethane	12.3	ug/L	2.00	123	63	149	3.8	20	
1,2-Dibromo-3-chloropropane	8.48	ug/L	2.00	84.8	63	125	2.8	20	
1,2-Dibromoethane	9.60	ug/L	2.00	96	75	131	0	20	
Dibromomethane	9.52	ug/L	2.00	95.2	72	133	1.7	20	
1,2-Dichlorobenzene	8.96	ug/L	2.00	89.6	78	129	6.9	20	
1,4-Dichlorobenzene	9.28	ug/L	2.00	92.8	78	132	3.4	20	
trans-1,4-Dichloro-2-butene	10.4	ug/L	2.00	104	62	123	1.5	20	
Dichlorodifluoromethane	12.0	ug/L	2.00	120	55	141	0.7	20	
1,1-Dichloroethane	9.36	ug/L	2.00	93.6	72	130	5.8	20	
1,2-Dichloroethane	9.52	ug/L	2.00	95.2	57	146	1.7	20	
1,1-Dichloroethene	10.0	ug/L	2.00	100	66	142	3.9	20	
cis-1,2-Dichloroethene	9.52	ug/L	2.00	95.2	74	133	3.3	20	
trans-1,2-Dichloroethene	10.0	ug/L	2.00	100	76	138	0.8	20	
1,2-Dichloropropane	9.92	ug/L	2.00	99.2	72	135	0.8	20	
cis-1,3-Dichloropropene	9.60	ug/L	2.00	96	75	132	1.7	20	
trans-1,3-Dichloropropene	10.5	ug/L	2.00	105	77	145	2.3	20	
Ethylbenzene	9.92	ug/L	2.00	99.2	78	131	3.3	20	
2-Hexanone	106	ug/L	40.0	106	72	131	0.8	20	
Iodomethane	9.12	ug/L	2.00	91.2	70	140	0.9	20	
Methyl ethyl ketone	96.0	ug/L	40.0	96	55	145	1.7	20	
Methyl isobutyl ketone	100	ug/L	40.0	100	73	129	0	20	
Methylene chloride	9.76	ug/L	2.00	97.6	73	126	2.4	20	
Styrene	9.36	ug/L	2.00	93.6	76	134	4.2	20	
1,1,1,2-Tetrachloroethane	9.44	ug/L	2.00	94.4	75	135	1.7	20	
1,1,1,2,2-Tetrachloroethane	9.52	ug/L	2.00	95.2	72	132	7.3	20	
Tetrachloroethene	9.36	ug/L	2.00	93.6	78	137	2.5	20	
Toluene	9.92	ug/L	2.00	99.2	78	134	0.8	20	
1,1,1-Trichloroethane	8.96	ug/L	2.00	89.6	64	141	0.9	20	
1,1,2-Trichloroethane	9.20	ug/L	2.00	92	72	133	3.4	20	
Trichloroethene	9.28	ug/L	2.00	92.8	75	138	1.7	20	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.
Project: Sanitation Inc Landfill

Report Date: 10/22/03
Work Order: B03100951

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R32683
Sample ID: B03100948-001Emsd	Sample Matrix Spike Duplicate								10/21/03 12:07
Trichlorofluoromethane	9.52	ug/L	2.00	95.2	58	139	1.7	20	
1,2,3-Trichloropropane	9.52	ug/L	2.00	95.2	67	133	5.7	20	
Vinyl acetate	8.72	ug/L	2.00	87.2	42	120	6.2	20	
Vinyl chloride	10.2	ug/L	2.00	102	66	140	4.8	20	
m+p-Xylenes	19.1	ug/L	2.00	95.6	78	133	0.4	20	
o-Xylene	9.52	ug/L	2.00	95.2	79	136	1.7	20	
Surr: 1,2-Dichloroethane-d4			2.00	102	70	130			
Surr: Dibromofluoromethane			2.00	113	77	126			
Surr: p-Bromofluorobenzene			2.00	113	76	127			
Surr: Toluene-d8			2.00	114	79	122			

Energy Laboratories Inc

Sample Receipt Checklist

Client Name **SNTTN-INC**

Date and Time Received:

10/17/2003

Work Order Number **B03100951**

Received by rin

Checklist completed by

Signature

Date

Reviewed by

Initials

Date

Carrier name Hand Del

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4 °C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____

Checked by rlw

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____

PLEASE PRINT, provide as much information as possible.

Refer to corresponding notes on reverse side.

Company Name: BARRY Damsch Consulting			Project Name, PWS #, Permit #, Etc.: SANITATION INC. Landfill		
Report Address: 5531 YORK ROAD Helen, MT 59602			Contact Name, Phone, Fax, E-mail: BARRY Damsch 461-5003		
Invoice Address: Bill Spaford SANITATION INC Box 882 Lewis & Clark, MT 59457			Invoice Contact & Phone #: Bill Spaford 538-8767		
Purchase Order #:			ELI Quote #:		
Report Required For: POTW/WWTP DW Other MT DEP Solid Waste			ANALYSIS REQUESTED		
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EED/EDT ☐ Format _____			SEE ATTACHED		
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)			Collection Date	Collection Time	MATRIX
1 Simw-1					
2 Simw-2			10-15-03	1115	6W X
3 Simw-3			10-15-03	1230	6W X
4 Simw-4			10-15-03	1330	6W X
5 Simw-4D			10-15-03	1330	6W X
6 TRIP BLK					1W X
7					
8					
9					
10					
Custody Record MUST be Signed			Relinquished by: [Signature] Date/Time: 10-17-03 1230 Relinquished by: _____ Date/Time: _____ Sample Disposal: _____ Return to client: _____ Lab Disposal: X		
Received by: [Signature] Date/Time: 10/17/03 @ 1230 Received by: [Signature] Date/Time: 10/17/03 @ 1230 Sample Type: _____ # of fractions: _____			Received by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Sample Type: _____ # of fractions: _____		

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN Inc Landfill Well: S1Mw-1

Personnel: Barry Damschen

Date: 10-15-03 Time: 1045

Conditions: Sunny - calm - 40's

Static Water Level: 46.80 Total Depth Purged: _____

Purge Method: could not get any Volume Purged: 0
water out

Volume	Temperature	Conductivity	pH
1. _____	_____	_____	_____
2. _____	<u>did not</u>	<u>sample</u>	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 _____ h2 _____ time _____ depth: _____

Comments:

SIP.2=52.85

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN. INC 242/511 Well: 51mw-2
Personnel: Barry Densch
Date: 10-15-03 Time: 1115
Conditions: runny 40's breezy
Static Water Level: 36.10 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: 1 1/4 gal

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/4 gal</u>	<u>56.1</u>	<u>2550</u>	<u>7.21</u>
2.	<u>boiled dry</u>			
3.				
4.				
5.				

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.01 time 7 sec depth: ~~30.5~~

Comments:

38

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: Spartan Dr Landfill Well: S1M6-3

Personnel: Barry Damschen

Date: 10-15-03 Time: 1230

Conditions: Windy Sunny - 40's

Static Water Level: 32.41 Total Depth Purged: _____

Purge Method: hand bailer Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>1 1/2 gal</u>	<u>50.5</u>	<u>2010</u>	<u>7.15</u>
2.	<u>1 5/4</u>	_____	<u>1860</u>	<u>7.34</u>
3.	<u>2 gal</u>	_____	<u>1920</u>	<u>7.32</u>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.02 time 8 sec depth: _____

Comments:

SIP-1 = 35.40

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: Sanitation Inc. Landfill Well: Simu-4, 4B

Personnel: Barry Damschen

Date: 10-15-03 Time: 1330

Conditions: windy - low 50's mostly clear

Static Water Level: 40.36 Total Depth Purged: _____

Purge Method: hand bailer Volume Purged: 4 1/2 mins

	Volume	Temperature	Conductivity	pH
1.	<u>3 1/2 gal</u>	<u>45.9</u>	<u>3210</u>	<u>6.82</u>
2.	<u>4 gal</u>	<u>45.3</u>	<u>316</u>	<u>6.90</u>
3.	<u>4 1/2 gal</u>	<u>45.8</u>	<u>3260</u>	<u>6.88</u>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)
or

Recovery (Inertial or bailer):

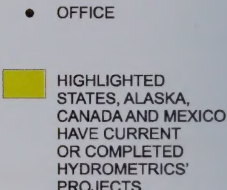
h1 0

h2 0.10

time 9 min

depth: 44

Comments:



HELENA (Corporate)
3020 Bozeman Avenue
Helena, MT 59601
Phone: (406) 443-4150
FAX: (406) 443-4155

BILLINGS
5825 Lazy Lane
Billings, MT 59106
Phone: (406) 656-1172
FAX: (406) 656-8912

MISSOULA
667 East Beckwith
Missoula, MT 59801
Phone: (406) 721-8243
FAX: (406) 542-2619

COLSTRIP
P.O. Box 2136
Colstrip, MT 59323
Phone: (406) 748-5002

RECEIVED

Fergus Co
Sanitation Inc #299
grd wtr near CANAL
X

JAN 22 2003

MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

**SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
FALL 2002 GROUNDWATER SAMPLING REPORT**

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc.
Consulting Scientists & Engineers
2727 Airport Road
Helena, MT 59601

January 2003



January 20, 2003

Ms. Pat Potts
Montana Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

RECEIVED

JAN 22 2003

MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

RE: Fall 2002 Groundwater Monitoring Results
Sanitation, Inc. Landfill, Lewistown, MT

Dear Pat:

Hydrometrics, under contract to Barry Damschen Consulting, LLC, has prepared this letter report to transmit the results of the Fall 2002 groundwater monitoring at the Sanitation, Inc. Landfill in Lewistown, Montana. Fall 2002 sampling activities were conducted on October 26, 2002.

Groundwater Flow Results

Static water levels were measured in wells SIMW-2 and SIMW-3, and in piezometer SIP-1 (Table 1). Well SIMW-1 and piezometer SIP-2 were dry. Monitoring locations and October 2002 groundwater elevations are shown on Figure 1, along with potentiometric contours based on the observed elevations. Groundwater elevations in October 2002 were about 1 to 2 feet higher than those measured in October 2001, but the approximate flow direction (north) and hydraulic gradient near well SIMW-3 (0.4) showed no significant change. The groundwater seepage velocity near well SIMW-3 can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the following formula:

$$V_s = KI/n_e$$

where V_s = seepage velocity (ft/day);
 K = hydraulic conductivity (ft/day);
 I = hydraulic gradient (dimensionless); and
 n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-3 for October 2002 was 1.05 ft/day.

Groundwater Quality Results

Water quality samples were collected from wells SIMW-2 and SIMW-3 by bailing. No sample was collected from SIMW-1 due to the absence of water in the well. Quality control (QC) samples included a field duplicate (collected at SIMW-2), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Billings, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

All VOC concentrations were below laboratory reporting limits for wells SIMW-2 and SIMW-3. Results for selected inorganic parameters are summarized in Table 2a for SIMW-2 and Table 2b for SIMW-3, along with summary statistics for the data period August 1995 through October 2002. In general, groundwater parameter concentrations were similar to values observed previously at these two wells. Comparison of historic and current chemical signatures at the two wells shows that well SIMW-3 has higher concentrations of nitrate and selenium than SIMW-2, while well SIMW-2 shows higher sulfate and chloride concentrations.

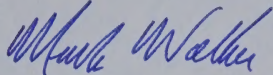
Figures 2a and 2b show trend plots of chloride, sulfate, specific conductance (SC), nitrate + nitrite, and dissolved iron, selenium, and zinc for wells SIMW-2 and SIMW-3. While some variability over time is apparent, in most cases current concentrations are similar to data collected in 1995. Dissolved metals concentrations have shown several spikes (in 1997 at well SIMW-2, and in 1999 at well SIMW-3), but are characteristically at or near detection limits.

As an additional method to determine if groundwater concentrations are changing over time, the nonparametric Mann-Kendall test for trend (D.R. Helsel and R.M. Hirsch, 1992) was conducted on the data sets for wells SIMW-2 and SIMW-3, considering the parameters presented in Tables 2a and 2b and Figures 2a and 2b. Briefly stated, the test involves calculation of Kendall's S-statistic and Kendall's tau (τ), which is a measure of the strength of correlation between two variables. Statistical results are presented in Table 3. A significance level of $\alpha=0.05$ was selected for the test. The significance level of 0.05 is commonly used as a default level for statistical testing, and signifies a 5% chance that the test will conclude that there is a trend when in fact there is not.

Statistically significant ($p<0.05$) trends were detected for nitrate + nitrite and selenium at well SIMW-2 (both decreasing trends, since τ is negative), and an increasing trend for zinc at well SIMW-3. The test detected an increasing zinc trend at SIMW-3 due to the presence of non-detect values during the early period of the data set (1995-1998), with more recent values being at or just above the detection limit.

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150 ext. 146.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Walker".

Mark Walker
Chemist

enclosures

c: Sanitation, Inc.
Barry Damschen Consulting, LLC

REFERENCES

Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.

Helsel, D.R. and R.M. Hirsch, 1992. *Statistical Methods in Water Resources*. Elsevier Science Publishers, Amsterdam.

TABLES

Table 1. Water Level Measurement Results

Table 2a. SIMW-2 Groundwater Quality Results and Summary Statistics

Table 2b. SIMW-3 Groundwater Quality Results and Summary Statistics

Table 3. Statistical Test Results

Table 2a. SIMW-2 Groundwater Quality Results and Summary Statistics

Table 1. Water Level Measurement Results

Well	October 2002 Static Water Level (ft bmp)	October 2002 Groundwater Elevation (ft)
SIMW-1	dry	nc
SIMW-2	37.50	4086.21
SIMW-3	33.56	4077.35
SIP-1	37.02	4083.22
SIP-2	dry	nc

NOTES:

bmp = below measuring point

nc = not calculated (no static water level measured)

Table 2a. SIMW-2 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
8/16/1995	55	224	1480	3.78	<0.03	0.006	<0.01
6/10/1996	47	195	1180	4.18	<0.03	0.008	<0.01
10/22/1996	62	214	1180	2.6	1.29	<0.005	0.03
6/3/1997	63	202	1040	2.11	0.06	0.014	0.06
11/4/1997	58	211	1110	3.95	<0.03	0.008	<0.01
6/16/1998	56	201	1150	2.32	0.05	0.005	0.02
10/6/1998	56	203	1140	3.97	0.05	0.006	0.02
6/15/1999	30	177	1170	3.26	<0.03	0.006	0.01
10/6/1999	50	193	1100	2.46	<0.03	0.006	0.08
6/27/2000	59	199	1100	2.57	<0.03	0.005	<0.01
10/17/2000	61	201	1130	1.93	<0.03	0.005	<0.01
7/6/2001	67	214	1140	1.05	<0.03	<0.005	0.01
10/30/2001	61	205	1170	0.94	0.08	<0.005	0.01
10/26/2002	62	216	1240	1.04	0.05	<0.005	0.02
n	14	14	14	14	14	14	14
% BD	0%	0%	0%	0%	57%	29%	36%
Average	56	204	1166	2.58	0	0.006	0.022
Median	58.5	202.5	1145	2.52	<0.03	0.006	0.01
Minimum	30	177	1040	0.94	<0.03	<0.005	<0.01
Maximum	67	224	1480	4.18	1.29	0.014	0.08

NOTES: n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

Table 2b. SIMW-3 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
8/16/1995	34	140	893	8.96	<0.03	0.021	<0.01
6/10/1996	30	139	750	9.25	0.1	0.022	<0.01
10/22/1996	34	133	706	9.09	0.03	0.019	<0.01
6/3/1997	27	134	683	9.08	<0.03		
11/4/1997	30	131	767	9.35	<0.03	0.023	<0.01
6/16/1998	23	129	739	12.2	0.24	0.019	<0.01
10/6/1998	25	128	731	11	<0.03	0.017	0.01
6/15/1999	25	121	707	11.7	12.9	0.074	0.47
10/6/1999	27	124	744	11.5	<0.03	0.019	0.02
6/27/2000	30	135	797	10.1	<0.03	0.023	0.01
10/17/2000	32	139	808	9.76	<0.03	0.024	0.01
7/6/2001	36	135	870	8.79	<0.03	0.021	<0.01
10/30/2001	35	134	866	10.7	<0.03	0.02	0.03
10/26/2002	30	140	879	8.69	<0.03	0.025	0.02
n	14	14	14	14	14	13	13
% BD	0%	0%	0%	0%	71%	0%	46%
Average	30	133	781	10.01	1	0.025	0.048
Median	30	134	759	9.56	<0.03	0.021	<0.01
Minimum	23	121	683	8.69	<0.03	0.017	<0.01
Maximum	36	140	893	12.2	12.9	0.074	0.47

NOTES: n = number of samples
 %BD = percent of samples below detection limits
 Below detect values replaced with detection limit for calculation of averages

Table 3. Statistical Test Results

Well	Parameter	Mann-Kendall Trend Test Results		
		S	τ	p
SIMW-2	chloride	26	0.29	0.169
	sulfate	1	0.01	1.000
	SC	-7	-0.08	0.741
	nitrate + nitrite	-53	-0.58	0.004
	Fe (diss)	-2	-0.02	0.951
	Se (diss)	-45	-0.49	0.013
	Zn (diss)	4	0.04	0.865
SIMW-3	chloride	12	0.13	0.540
	sulfate	-3	-0.03	0.912
	SC	35	0.38	0.063
	nitrate + nitrite	3	0.03	0.913
	Fe (diss)	-18	-0.20	0.239
	Se (diss)	15	0.19	0.388
	Zn (diss)	33	0.42	0.037

NOTE: **Bold** values indicate rejection of "no-trend" hypothesis at confidence level $\alpha = 0.05$ (i.e., $p < 0.05$).

The Mann-Kendall test for trend is conducted according to methods presented in *Statistical Methods in Water Resources* by D.R. Helsel and R.M. Hirsch (1992). The test is a nonparametric method of assessing whether values over time tend to remain constant (null hypothesis) or tend to show an increasing or decreasing trend. The calculated statistics are as follows:

Kendall's S: compares each value in a data set to each subsequently collected value. S is an overall measure of whether subsequent values tend to be greater or less than a given value. If S is positive, subsequent values tend to be greater; if negative, subsequent values tend to be smaller. The closer S is to 0, the less evidence there is of any trend.

Kendall's tau: Kendall's tau is a correlation coefficient analogous to the more familiar Pearson's R. Tau can range from -1 to +1, with +1 indicating a strong increasing trend (increasing concentrations with time), and -1 indicating a strong negative trend (decreasing concentrations with time).

p-value: p-values are a measure of the significance of the above test statistics. Typically, when p is less than some established decision level α , then the null hypothesis (i.e., the assumption of no trend in this case) is rejected.

FIGURES

Figure 1. October 2002 Groundwater Elevations and Potentiometric Contours

Figure 2a. SIMW-2 Water Quality Trends

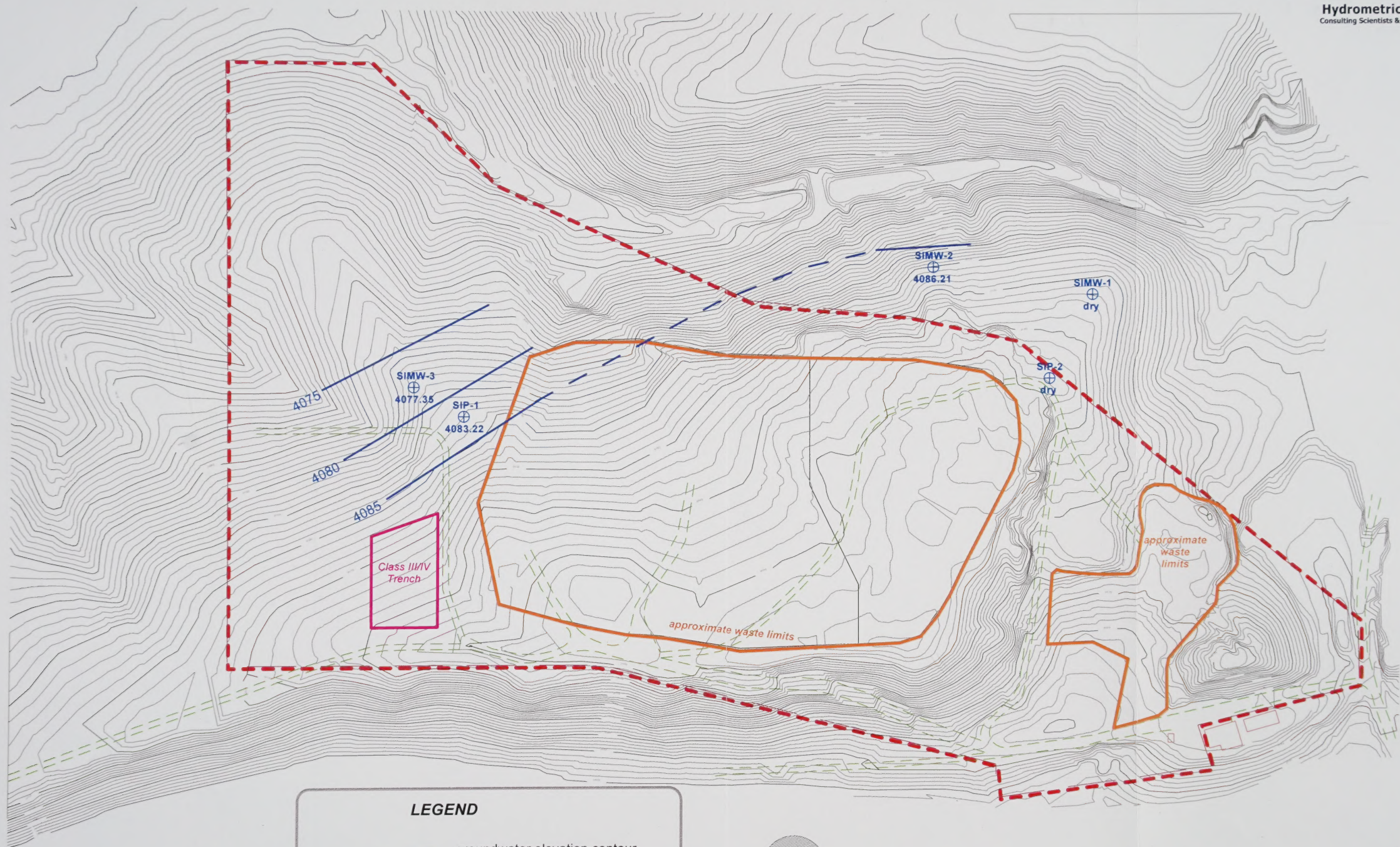
Figure 2b. SIMW-3 Water Quality Trends



Groundwater Elevations and
Geomorphic Contours
Hydrometrics, Inc. Landfill
Site, Montana

FIGURE

1



LEGEND

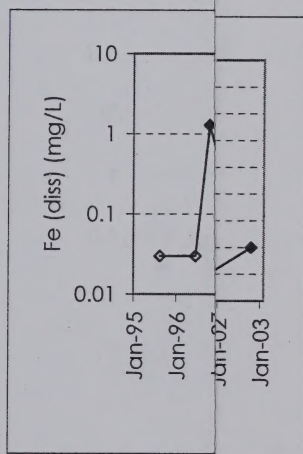
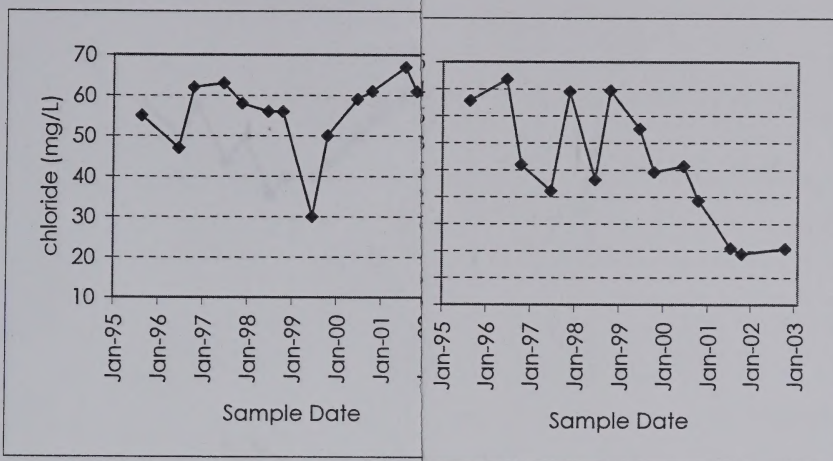
4075 ————— groundwater elevation contour
(dashed where inferred)

SIMW-3
⊕
4077.35 well/piezometer location with
October 2002 groundwater elevation

0 200 400
Scale (ft)

October 2002 Groundwater Elevations and
Potentiometric Contours
Sanitation, Inc. Landfill
Lewistown, Montana

FIGURE
1



NOTE: open symbols indicate value below

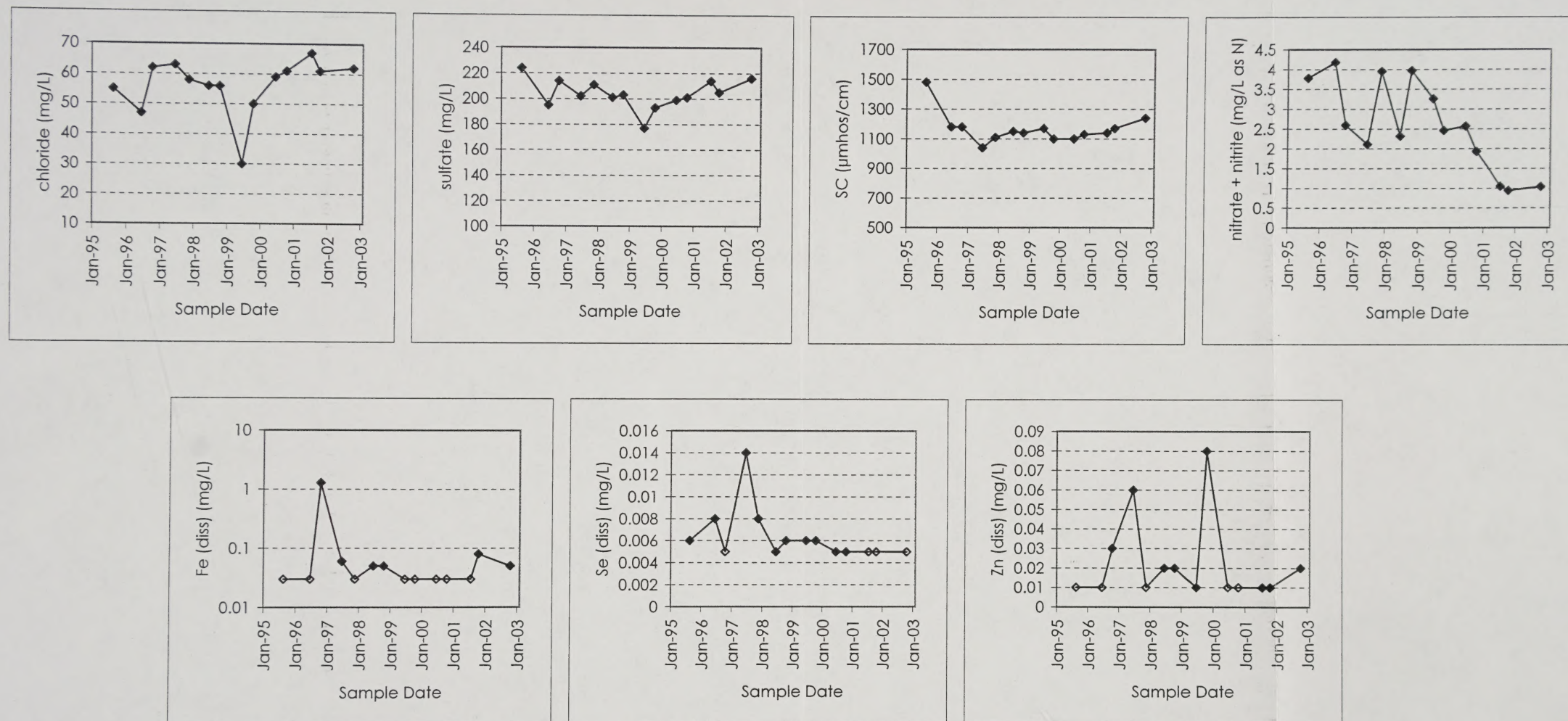
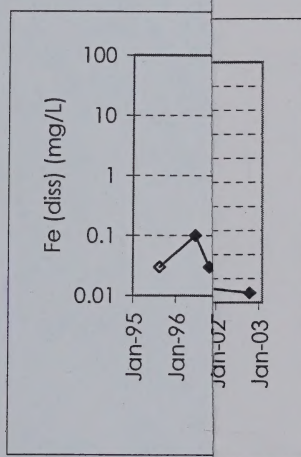
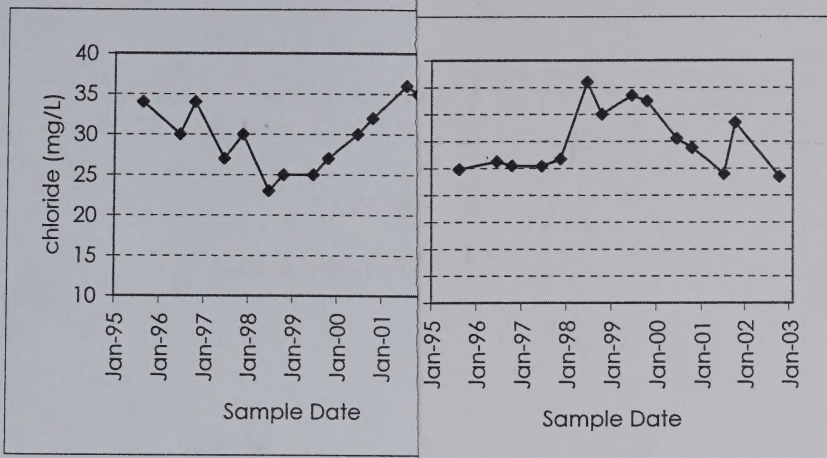


Figure 2a. SIMW-2 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below

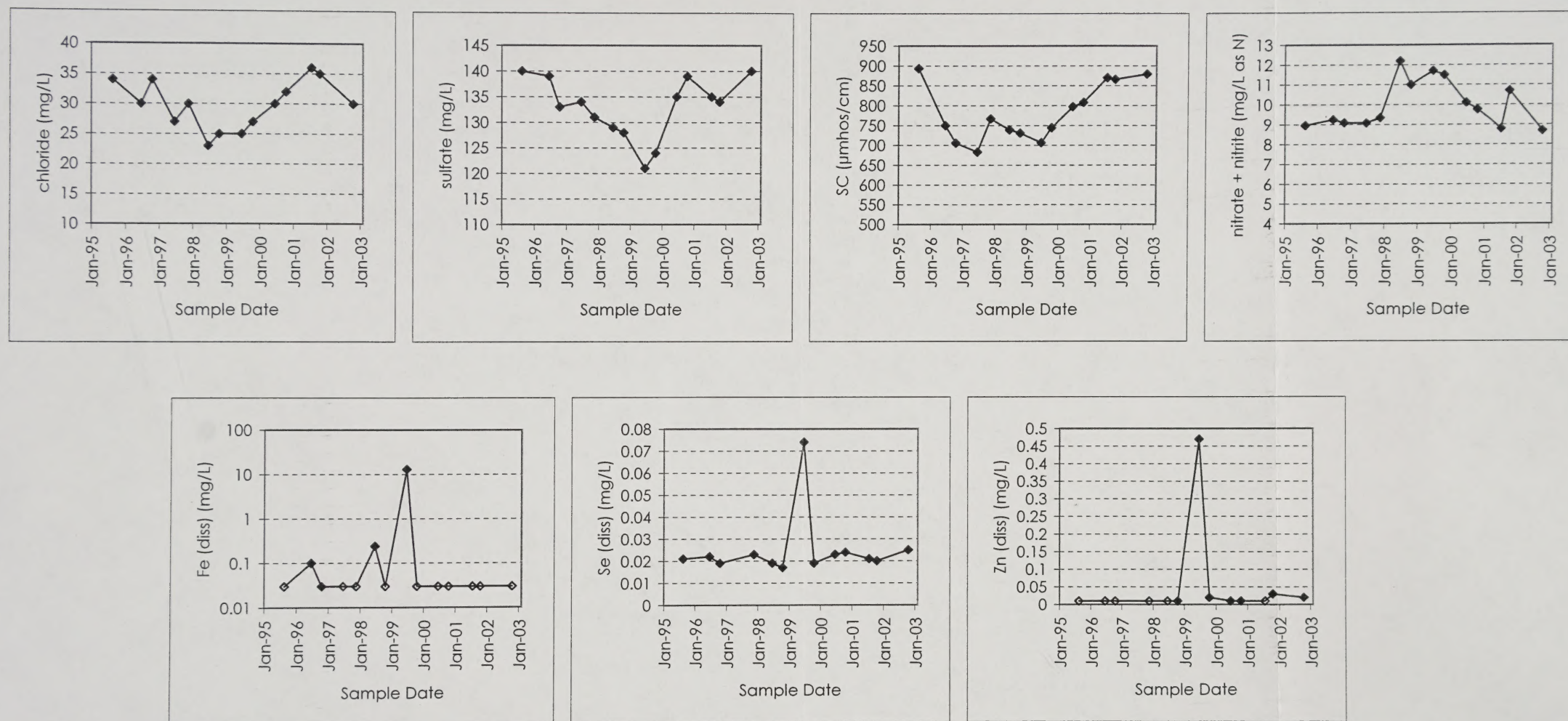
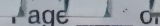


Figure 2b. SIMW-3 Water Quality Trends

NOTE: open symbols indicate value below detection limit

ATTACHMENT 1

Field Notes and Laboratory Report



Refer to corresponding notes on reverse side.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

Ground-Water Monitoring Field Report

Project: SAN Inc LF

Well: SI MW-2, R

Personnel: BD

Date: 10-26-02

Time: 1200

Conditions: _____

Static Water Level: 37.30

Total Depth: 47.5

Purge Method: gal/hr

Volume Purged: 1 gallon - 1 hr

Volume	Temperature	Conductivity	pH
1. <u>1 gal</u>	<u>49.5</u>	<u>1430</u>	<u>8.3 8.45</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

Pumping Level: _____

Recovery: h1 0

h2 0.01

time 105 hr
240'

Sample preservatives:

1000 ml, 6, no preservative _____

250 ml w/ H₂SO₄ _____

250 ml w/ HNO₃ _____

filtered

250 ml w/ NaOH _____

500 ml, raw _____

40 ml, x2, w/ HCl _____

Comments:

Duplicate

Ground-Water Monitoring Field Report

Project: SAN JUAN INC CF Well: SIMW-3

Personnel: BD

Date: 10-26-02

Time: 01330

Conditions: _____

Static Water Level: 33.56

Total Depth: 39.25

Purge Method: per m

Volume Purged: 1 1/2 gal - day

Volume	Temperature	Conductivity	pH
1. <u>1 1/2</u>	_____	<u>1130</u>	<u>6.65 ?</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

Pumping Level: _____

Recovery: h1 0

h2 0.61

time 145 PC

036

Sample preservatives:

1000 ml, 6, no preservative _____

250 ml w/ H₂SO₄ _____

250 ml w/ HNO₃ _____

250 ml w/ NaOH _____

500 ml, raw _____

40 ml, x2, w/ HCl _____

filtered

Comments:

51P1

37.02

Ground-Water Monitoring Field Report

Project: Simulation Inc LT Well: SI ma-1

Personnel: BD

Date: 10-26-02 Time: 1130

Conditions: Sunny - calm - 30

Static Water Level: Day Total Depth: 47.5 m

Purge Method: _____ Volume Purged: _____

Volume	Temperature	Conductivity	pH
1. _____	_____	_____	_____
2. _____	_____	No Sample	_____
3. _____	_____		_____
4. _____	_____		_____

Pumping Level: _____

Recovery: h1 _____ h2 _____ time _____

Sample preservatives:

- 1000 ml, 6, no preservative _____
- 250 ml w/ H₂SO₄ _____
- 250 ml w/ HNO₃ _____
- 250 ml w/ NaOH _____
- 500 ml, raw _____
- 40 ml, x2, w/ HCl _____

filtered

Comments:

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-001
Client Sample ID: SIMW-2

Report Date: 11/11/02
Collection Date: 10/26/02 12:00
Date Received: 10/29/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		E150.1	10/29/02 17:05 / jb
Conductivity	1240	umhos/cm		1		A2510 B	10/29/02 15:07 / jb
INORGANICS							
Chloride	62	mg/L		1		E300.0	11/01/02 16:36 / car
Sulfate	216	mg/L		1		E300.0	11/01/02 16:36 / car
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/01/02 11:25 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	11	mg/L		1		E410.4	11/04/02 08:00 / bis
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.04	mg/L		0.05		E353.2	10/31/02 16:55 / bis
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	10/30/02 17:46 / lab
Arsenic	ND	mg/L		0.005		E200.8	10/30/02 17:46 / lab
Barium	ND	mg/L		0.1		E200.8	10/30/02 17:46 / lab
Beryllium	ND	mg/L		0.001		E200.8	10/30/02 17:46 / lab
Cadmium	ND	mg/L		0.001		E200.8	10/30/02 17:46 / lab
Chromium	ND	mg/L		0.01		E200.8	10/30/02 17:46 / lab
Cobalt	ND	mg/L		0.01		E200.8	10/30/02 17:46 / lab
Copper	ND	mg/L		0.01		E200.8	10/30/02 17:46 / lab
Iron	0.05	mg/L		0.03		E200.7	10/31/02 18:48 / jjw
Lead	ND	mg/L		0.01		E200.8	10/30/02 17:46 / lab
Mercury	ND	mg/L		0.001		E200.8	10/30/02 17:46 / lab
Nickel	0.01	mg/L		0.01		E200.8	10/30/02 17:46 / lab
Selenium	ND	mg/L		0.005		E200.8	10/30/02 17:46 / lab
Silver	ND	mg/L		0.005		E200.8	10/30/02 17:46 / lab
Thallium	ND	mg/L		0.1		E200.8	10/30/02 17:46 / lab
Vanadium	ND	mg/L		0.1		E200.8	10/30/02 17:46 / lab
Zinc	0.02	mg/L		0.01		E200.8	10/30/02 17:46 / lab

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-001
Client Sample ID: SIMW-2

Report Date: 11/07/02
Collection Date: 10/26/02 12:00
Date Received: 10/29/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/01/02 16:49 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	11/01/02 16:49 / sbd
Benzene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	11/01/02 16:49 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/01/02 16:49 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	11/01/02 16:49 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Styrene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project: Landfill
 Lab ID: B02101350-001
 Client Sample ID: SIMW-2

Report Date: 11/07/02
 Collection Date: 10/26/02 12:00
 Date Received: 10/29/02
 Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Toluene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	11/01/02 16:49 / sbd
Surr: 1,2-Dichloroethane-d4	102	%REC			70-130	SW8260B	11/01/02 16:49 / sbd
Surr: Dibromofluoromethane	106	%REC			77-126	SW8260B	11/01/02 16:49 / sbd
Surr: p-Bromofluorobenzene	117	%REC			76-127	SW8260B	11/01/02 16:49 / sbd
Surr: Toluene-d8	112	%REC			79-122	SW8260B	11/01/02 16:49 / sbd

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project: Landfill
 Lab ID: B02101350-002
 Client Sample ID: SIMW-2D

dupli for SIMW-2

Report Date: 11/11/02
 Collection Date: 10/26/02 12:00
 Date Received: 10/29/02
 Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.5	s.u.		0.1		E150.1	10/29/02 17:06 / jb
Conductivity	1220	umhos/cm		1		A2510 B	10/29/02 15:08 / jb
INORGANICS							
Chloride	67	mg/L		1		E300.0	11/01/02 17:12 / car
Sulfate	229	mg/L		1		E300.0	11/01/02 17:12 / car
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/01/02 11:26 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	12	mg/L		1		E410.4	11/04/02 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.10	mg/L		0.05		E353.2	10/31/02 16:56 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	10/30/02 17:52 / lab
Arsenic	ND	mg/L		0.005		E200.8	10/30/02 17:52 / lab
Barium	ND	mg/L		0.1		E200.8	10/30/02 17:52 / lab
Beryllium	ND	mg/L		0.001		E200.8	10/30/02 17:52 / lab
Cadmium	ND	mg/L		0.001		E200.8	10/30/02 17:52 / lab
Chromium	ND	mg/L		0.01		E200.8	10/30/02 17:52 / lab
Cobalt	ND	mg/L		0.01		E200.8	10/30/02 17:52 / lab
Copper	ND	mg/L		0.01		E200.8	10/30/02 17:52 / lab
Iron	0.06	mg/L		0.03		E200.7	10/31/02 18:52 / jjw
Lead	ND	mg/L		0.01		E200.8	10/30/02 17:52 / lab
Mercury	ND	mg/L		0.001		E200.8	10/30/02 17:52 / lab
Nickel	0.01	mg/L		0.01		E200.8	10/30/02 17:52 / lab
Selenium	ND	mg/L		0.005		E200.8	10/30/02 17:52 / lab
Silver	ND	mg/L		0.005		E200.8	10/30/02 17:52 / lab
Thallium	ND	mg/L		0.1		E200.8	10/30/02 17:52 / lab
Vanadium	ND	mg/L		0.1		E200.8	10/30/02 17:52 / lab
Zinc	0.05	mg/L		0.01		E200.8	10/30/02 17:52 / lab

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project: Landfill
 Lab ID: B02101350-002
 Client Sample ID: SIMW-2D

Report Date: 11/07/02
 Collection Date: 10/26/02 12:00
 Date Received: 10/29/02
 Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/01/02 17:25 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	11/01/02 17:25 / sbd
Benzene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	11/01/02 17:25 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/01/02 17:25 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	11/01/02 17:25 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Styrene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd

Report RL - Analyte reporting limit.
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-002
Client Sample ID: SIMW-2D

Report Date: 11/07/02
Collection Date: 10/26/02 12:00
Date Received: 10/29/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Toluene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	11/01/02 17:25 / sbd
Surr: 1,2-Dichloroethane-d4	104	%REC			70-130	SW8260B	11/01/02 17:25 / sbd
Surr: Dibromofluoromethane	111	%REC			77-126	SW8260B	11/01/02 17:25 / sbd
Surr: p-Bromofluorobenzene	118	%REC			76-127	SW8260B	11/01/02 17:25 / sbd
Surr: Toluene-d8	108	%REC			79-122	SW8260B	11/01/02 17:25 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-003
Client Sample ID: SIMW-3

Report Date: 11/11/02
Collection Date: 10/26/02 13:30
Date Received: 10/29/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		E150.1	10/29/02 17:07 / jb
Conductivity	879	umhos/cm		1		A2510 B	10/29/02 15:08 / jb
INORGANICS							
Chloride	30	mg/L		1		E300.0	11/01/02 17:24 / car
Sulfate	140	mg/L		1		E300.0	11/01/02 17:24 / car
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/01/02 11:28 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	10	mg/L		1		E410.4	11/04/02 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	8.69	mg/L		0.05		E353.2	10/31/02 18:25 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.05		E200.8	10/30/02 17:58 / lab
Arsenic	ND	mg/L		0.005		E200.8	10/30/02 17:58 / lab
Barium	ND	mg/L		0.1		E200.8	10/30/02 17:58 / lab
Beryllium	ND	mg/L		0.001		E200.8	10/30/02 17:58 / lab
Cadmium	ND	mg/L		0.001		E200.8	10/30/02 17:58 / lab
Chromium	ND	mg/L		0.01		E200.8	10/30/02 17:58 / lab
Cobalt	ND	mg/L		0.01		E200.8	10/30/02 17:58 / lab
Copper	ND	mg/L		0.01		E200.8	10/30/02 17:58 / lab
Iron	ND	mg/L		0.03		E200.7	10/31/02 18:56 / jiw
Lead	ND	mg/L		0.01		E200.8	10/30/02 17:58 / lab
Mercury	ND	mg/L		0.001		E200.8	10/30/02 17:58 / lab
Nickel	ND	mg/L		0.01		E200.8	10/30/02 17:58 / lab
Selenium	0.025	mg/L		0.005		E200.8	10/30/02 17:58 / lab
Silver	ND	mg/L		0.005		E200.8	10/30/02 17:58 / lab
Thallium	ND	mg/L		0.1		E200.8	10/30/02 17:58 / lab
Vanadium	ND	mg/L		0.1		E200.8	10/30/02 17:58 / lab
Zinc	0.01	mg/L		0.01		E200.8	10/30/02 17:58 / lab

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project: Landfill
 Lab ID: B02101350-003
 Client Sample ID: SIMW-3

Report Date: 11/07/02
 Collection Date: 10/26/02 13:30
 Date Received: 10/29/02
 Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/01/02 17:59 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	11/01/02 17:59 / sbd
Benzene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	11/01/02 17:59 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/01/02 17:59 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	11/01/02 17:59 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Styrene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd

Report RL - Analyte reporting limit.
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-003
Client Sample ID: SIMW-3

Report Date: 11/07/02
Collection Date: 10/26/02 13:30
Date Received: 10/29/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Toluene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	11/01/02 17:59 / sbd
Surr: 1,2-Dichloroethane-d4	104	%REC			70-130	SW8260B	11/01/02 17:59 / sbd
Surr: Dibromofluoromethane	109	%REC			77-126	SW8260B	11/01/02 17:59 / sbd
Surr: p-Bromofluorobenzene	115	%REC			76-127	SW8260B	11/01/02 17:59 / sbd
Surr: Toluene-d8	110	%REC			79-122	SW8260B	11/01/02 17:59 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-004
Client Sample ID: Trip Blank

Report Date: 11/11/02
Collection Date: Not Provided
Date Received: 10/29/02
Matrix: TRIP BLANK

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/01/02 13:22 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	11/01/02 13:22 / sbd
Benzene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	11/01/02 13:22 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/01/02 13:22 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	11/01/02 13:22 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Styrene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project: Landfill
Lab ID: B02101350-004
Client Sample ID: Trip Blank

Report Date: 11/11/02
Collection Date: Not Provided
Date Received: 10/29/02
Matrix: TRIP BLANK

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Toluene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	11/01/02 13:22 / sbd
Surr: 1,2-Dichloroethane-d4	103	%REC			70-130	SW8260B	11/01/02 13:22 / sbd
Surr: Dibromofluoromethane	109	%REC			77-126	SW8260B	11/01/02 13:22 / sbd
Surr: p-Bromofluorobenzene	119	%REC			76-127	SW8260B	11/01/02 13:22 / sbd
Surr: Toluene-d8	106	%REC			79-122	SW8260B	11/01/02 13:22 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R16720
Sample ID: B02101263-023BMS2	Sample Matrix Spike								10/31/02 12:27
Iron	9.08	mg/L	0.0100	90.8	70	130			
Sample ID: B02101263-023BMSD2	Sample Matrix Spike Duplicate								10/31/02 12:31
Iron	9.06	mg/L	0.0100	90.6	70	130	0.2	20	
Sample ID: B02101270-001DMS2	Sample Matrix Spike								10/31/02 13:25
Iron	5.26	mg/L	0.00500	93.1	70	130			
Sample ID: B02101270-001DMSD2	Sample Matrix Spike Duplicate								10/31/02 13:29
Iron	5.27	mg/L	0.00500	93.3	70	130	0.2	20	
Sample ID: B02101282-002DMSD2	Sample Matrix Spike Duplicate								10/31/02 14:23
Iron	4.98	mg/L	0.00500	89.6	70	130			
Sample ID: B02101289-001EMS2	Sample Matrix Spike								10/31/02 15:34
Iron	5.88	mg/L	0.00500	92.9	70	130			
Sample ID: B02101289-001EMS2	Sample Matrix Spike Duplicate								10/31/02 15:37
Iron	5.83	mg/L	0.00500	92	70	130	0.8	20	
Sample ID: B02101258-008BMS2	Sample Matrix Spike								10/31/02 17:03
Iron	4.66	mg/L	0.00500	93.2	70	130			
Sample ID: B02101258-008BMSD2	Sample Matrix Spike Duplicate								10/31/02 17:07
Iron	4.79	mg/L	0.00500	95.7	70	130	2.7	20	
Sample ID: B02101349-006BMS2	Sample Matrix Spike								10/31/02 18:09
Iron	4.73	mg/L	0.00500	94.6	70	130			
Sample ID: B02101349-006BMSD2	Sample Matrix Spike Duplicate								10/31/02 18:13
Iron	4.85	mg/L	0.00500	97	70	130	2.6	20	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 11/05/02

Project: Landfill

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R16598		
Sample ID: LRB	Method Blank						10/30/02 10:56		
Antimony	0.00019	mg/L	0.000020						
Arsenic	0.000080	mg/L	0.00010						
Barium	ND	mg/L	0.000026						
Beryllium	ND	mg/L	0.00010						
Cadmium	ND	mg/L	0.000030						
Chromium	ND	mg/L	0.00010						
Cobalt	ND	mg/L	0.000050						
Copper	ND	mg/L	0.00020						
Lead	ND	mg/L	0.000020						
Mercury	ND	mg/L	0.000020						
Nickel	ND	mg/L	0.000050						
Selenium	0.00080	mg/L	0.00030						
Silver	0.00018	mg/L	0.000050						
Thallium	0.000010	mg/L	0.000020						
Vanadium	ND	mg/L	0.000050						
Zinc	0.00053	mg/L	0.000050						
Sample ID: B02101275-001DMS	Sample Matrix Spike						10/30/02 11:46		
Antimony	0.0509	mg/L	0.0000200	101	70	130			
Arsenic	0.0585	mg/L	0.000100	116	70	130			
Barium	0.380	mg/L	0.0000260	84.2	70	130			
Beryllium	0.0454	mg/L	0.000100	90.7	70	130			
Cadmium	0.0467	mg/L	0.0000300	93.5	70	130			
Chromium	0.0664	mg/L	0.000100	94.6	70	130			
Cobalt	0.0473	mg/L	0.0000500	94.2	70	130			
Copper	0.0464	mg/L	0.000200	91.8	70	130			
Lead	0.0515	mg/L	0.0000200	103	70	130			
Mercury	0.00103	mg/L	0.0000200	100	70	130			
Nickel	0.0477	mg/L	0.0000500	92	70	130			
Selenium	0.0610	mg/L	0.000300	121	70	130			
Silver	0.0174	mg/L	0.0000500	86.8	70	130			
Thallium	0.0507	mg/L	0.0000200	101	70	130			
Vanadium	0.0543	mg/L	0.0000500	99.6	70	130			
Zinc	0.0459	mg/L	0.0000500	89.8	70	130			
Sample ID: B02101275-001DMSD	Sample Matrix Spike Duplicate						10/30/02 12:18		
Antimony	0.0527	mg/L	0.0000200	105	70	130	3.4	20	
Arsenic	0.0572	mg/L	0.000100	114	70	130	2.1	20	
Barium	0.386	mg/L	0.0000260	97	70	130	1.7	20	
Beryllium	0.0464	mg/L	0.000100	92.8	70	130	2.2	20	
Cadmium	0.0489	mg/L	0.0000300	97.9	70	130	4.6	20	
Chromium	0.0646	mg/L	0.000100	90.9	70	130	2.8	20	
Cobalt	0.0487	mg/L	0.0000500	96.9	70	130	2.8	20	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R16598
Sample ID: B02101275-001DMSD Sample Matrix Spike Duplicate									10/30/02 12:18
Copper	0.0472	mg/L	0.000200	93.4	70	130	1.7	20	
Lead	0.0531	mg/L	0.0000200	106	70	130	3.1	20	
Mercury	0.00111	mg/L	0.0000200	108	70	130	7.3	20	
Nickel	0.0494	mg/L	0.0000500	95.4	70	130	3.5	20	
Selenium	0.0572	mg/L	0.000300	113	70	130	6.4	20	
Silver	0.0170	mg/L	0.0000500	85.1	70	130	1.9	20	
Thallium	0.0520	mg/L	0.0000200	104	70	130	2.6	20	
Vanadium	0.0551	mg/L	0.0000500	101	70	130	1.6	20	
Zinc	0.0456	mg/L	0.0000500	89.3	70	130	0.5	20	
Sample ID: B02101344-001BMS Sample Matrix Spike									10/30/02 14:04
Antimony	0.0520	mg/L	0.0000200	104	70	130			
Arsenic	0.0557	mg/L	0.000100	108	70	130			
Barium	0.0730	mg/L	0.0000260	101	70	130			
Beryllium	0.0456	mg/L	0.000100	91.1	70	130			
Cadmium	0.0453	mg/L	0.0000300	90.6	70	130			
Chromium	0.0575	mg/L	0.000100	97.9	70	130			
Cobalt	0.0513	mg/L	0.0000500	99.6	70	130			
Copper	0.0488	mg/L	0.000200	92.1	70	130			
Lead	0.0524	mg/L	0.0000200	105	70	130			
Mercury	0.00101	mg/L	0.0000200	98.7	70	130			
Nickel	0.0565	mg/L	0.0000500	90.8	70	130			
Selenium	0.0567	mg/L	0.000300	110	70	130			
Silver	0.0163	mg/L	0.0000500	81.6	70	130			
Thallium	0.0524	mg/L	0.0000200	105	70	130			
Vanadium	0.0540	mg/L	0.0000500	103	70	130			
Zinc	0.0582	mg/L	0.0000500	86.8	70	130			
Sample ID: B02101344-001BMSD Sample Matrix Spike Duplicate									10/30/02 14:10
Antimony	0.0528	mg/L	0.0000200	105	70	130	1.4	20	
Arsenic	0.0562	mg/L	0.000100	109	70	130	0.8	20	
Barium	0.0737	mg/L	0.0000260	102	70	130	0.9	20	
Beryllium	0.0464	mg/L	0.000100	92.7	70	130	1.8	20	
Cadmium	0.0458	mg/L	0.0000300	91.5	70	130	1.0	20	
Chromium	0.0590	mg/L	0.000100	101	70	130	2.6	20	
Cobalt	0.0514	mg/L	0.0000500	99.9	70	130	0.3	20	
Copper	0.0494	mg/L	0.000200	93.2	70	130	1.2	20	
Lead	0.0531	mg/L	0.0000200	106	70	130	1.4	20	
Mercury	0.000994	mg/L	0.0000200	97.4	70	130	1.3	20	
Nickel	0.0583	mg/L	0.0000500	94.3	70	130	3.1	20	
Selenium	0.0565	mg/L	0.000300	110	70	130	0.3	20	
Silver	0.0151	mg/L	0.0000500	75.3	70	130	8.0	20	
Thallium	0.0531	mg/L	0.0000200	106	70	130	1.3	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 11/05/02

Project: Landfill

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R16598
Sample ID: B02101344-001BMSD	Sample Matrix Spike Duplicate								10/30/02 14:10
Vanadium	0.0550	mg/L	0.0000500	105	70	130	2.0		20
Zinc	0.0594	mg/L	0.0000500	89.1	70	130	1.9		20
Sample ID: B02101349-007BMS	Sample Matrix Spike								10/30/02 15:52
Antimony	0.0544	mg/L	0.0000200	109	70	130			
Arsenic	0.0553	mg/L	0.000100	109	70	130			
Barium	0.188	mg/L	0.0000260	103	70	130			
Beryllium	0.0507	mg/L	0.000100	101	70	130			
Cadmium	0.0488	mg/L	0.0000300	96.6	70	130			
Chromium	0.0551	mg/L	0.000100	97.8	70	130			
Cobalt	0.0487	mg/L	0.0000500	95.8	70	130			
Copper	0.0485	mg/L	0.000200	93.2	70	130			
Lead	0.0522	mg/L	0.0000200	104	70	130			
Mercury	0.000937	mg/L	0.0000200	93.7	70	130			
Nickel	0.0575	mg/L	0.0000500	92	70	130			
Selenium	0.0600	mg/L	0.000300	114	70	130			
Silver	0.0187	mg/L	0.0000500	93.5	70	130			
Thallium	0.0541	mg/L	0.0000200	108	70	130			
Vanadium	0.0534	mg/L	0.0000500	103	70	130			
Zinc	0.0510	mg/L	0.0000500	87.7	70	130			
Sample ID: B02101349-007BMSD	Sample Matrix Spike Duplicate								10/30/02 16:24
Antimony	0.0508	mg/L	0.0000200	102	70	130	6.9		20
Arsenic	0.0527	mg/L	0.000100	104	70	130	4.7		20
Barium	0.182	mg/L	0.0000260	90.6	70	130	3.3		20
Beryllium	0.0467	mg/L	0.000100	93.5	70	130	8.2		20
Cadmium	0.0462	mg/L	0.0000300	91.6	70	130	5.3		20
Chromium	0.0521	mg/L	0.000100	91.8	70	130	5.6		20
Cobalt	0.0449	mg/L	0.0000500	88.1	70	130	8.2		20
Copper	0.0465	mg/L	0.000200	89.3	70	130	4.2		20
Lead	0.0501	mg/L	0.0000200	100	70	130	4.2		20
Mercury	0.000863	mg/L	0.0000200	86.3	70	130	8.2		20
Nickel	0.0537	mg/L	0.0000500	84.4	70	130	6.8		20
Selenium	0.0559	mg/L	0.000300	106	70	130	7.0		20
Silver	0.0194	mg/L	0.0000500	96.8	70	130	3.5		20
Thallium	0.0500	mg/L	0.0000200	99.9	70	130	7.9		20
Vanadium	0.0517	mg/L	0.0000500	100	70	130	3.2		20
Zinc	0.0499	mg/L	0.0000500	85.5	70	130	2.2		20
Sample ID: B02101373-001CMS	Sample Matrix Spike								10/30/02 18:17
Antimony	0.050	mg/L	0.000020	99.3	70	130			
Arsenic	0.052	mg/L	0.00010	104	70	130			
Beryllium	0.044	mg/L	0.00010	87.3	70	130			

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 11/05/02

Project: Landfill

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R16598
Sample ID: B02101373-001CMS	Sample Matrix Spike								10/30/02 18:17
Cadmium	0.048	mg/L	0.000030	96.1	70	130			
Chromium	0.049	mg/L	0.00010	97.1	70	130			
Cobalt	0.047	mg/L	0.000050	93	70	130			
Copper	0.055	mg/L	0.00020	111	70	130			
Lead	0.050	mg/L	0.000020	99.6	70	130			
Mercury	0.00089	mg/L	0.000020	89.2	70	130			
Nickel	0.049	mg/L	0.000050	98.7	70	130			
Selenium	0.054	mg/L	0.00030	108	70	130			
Silver	0.019	mg/L	0.000050	97	70	130			
Thallium	0.048	mg/L	0.000020	95.8	70	130			
Sample ID: B02101373-001CMSD	Sample Matrix Spike Duplicate								10/30/02 18:23
Antimony	0.051	mg/L	0.000020	101	70	130			
Arsenic	0.052	mg/L	0.00010	105	70	130			
Beryllium	0.044	mg/L	0.00010	87.5	70	130			
Cadmium	0.048	mg/L	0.000030	95.1	70	130			
Chromium	0.049	mg/L	0.00010	96.9	70	130			
Cobalt	0.047	mg/L	0.000050	94.2	70	130			
Copper	0.055	mg/L	0.00020	110	70	130			
Lead	0.050	mg/L	0.000020	100	70	130			
Mercury	0.00090	mg/L	0.000020	90.2	70	130			
Nickel	0.050	mg/L	0.000050	99.1	70	130			
Selenium	0.054	mg/L	0.00030	108	70	130			
Silver	0.019	mg/L	0.000050	97	70	130			
Thallium	0.049	mg/L	0.000020	97.2	70	130			
Sample ID: B02101379-008AMS	Sample Matrix Spike								10/30/02 20:29
Antimony	0.053	mg/L	0.000020	105	70	130			
Arsenic	0.051	mg/L	0.00010	102	70	130			
Barium	0.070	mg/L	0.000026	100	70	130			
Cadmium	0.047	mg/L	0.000030	93	70	130			
Chromium	0.050	mg/L	0.00010	98.1	70	130			
Cobalt	0.049	mg/L	0.000050	96.5	70	130			
Copper	0.047	mg/L	0.00020	91	70	130			
Lead	0.051	mg/L	0.000020	101	70	130			
Mercury	0.0010	mg/L	0.000020	102	70	130			
Nickel	0.053	mg/L	0.000050	93.7	70	130			
Selenium	0.053	mg/L	0.00030	104	70	130			
Silver	0.018	mg/L	0.000050	89.4	70	130			
Thallium	0.051	mg/L	0.000020	103	70	130			
Vanadium	0.051	mg/L	0.000050	102	70	130			
Zinc	0.047	mg/L	0.000050	88.3	70	130			

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R16598
Sample ID: B02101379-008AMSD	Sample Matrix Spike Duplicate								10/30/02 20:36
Antimony	0.052	mg/L	0.000020	104	70	130	0.7	20	
Arsenic	0.052	mg/L	0.00010	103	70	130	0.4	20	
Barium	0.071	mg/L	0.000026	103	70	130	2.0	20	
Cadmium	0.046	mg/L	0.000030	92.4	70	130	0.7	20	
Chromium	0.051	mg/L	0.00010	100	70	130	2.3	20	
Cobalt	0.049	mg/L	0.000050	97.5	70	130	1.0	20	
Copper	0.047	mg/L	0.00020	91.4	70	130	0.5	20	
Lead	0.051	mg/L	0.000020	102	70	130	0.8	20	
Mercury	0.0010	mg/L	0.000020	104	70	130	1.9	20	
Nickel	0.054	mg/L	0.000050	96.4	70	130	2.5	20	
Selenium	0.051	mg/L	0.00030	101	70	130	3.2	20	
Silver	0.018	mg/L	0.000050	88.8	70	130	0.7	20	
Thallium	0.051	mg/L	0.000020	103	70	130	0	20	
Vanadium	0.052	mg/L	0.000050	103	70	130	1.2	20	
Zinc	0.048	mg/L	0.000050	89.6	70	130	1.4	20	
Sample ID: B02101379-018AMS	Sample Matrix Spike								10/30/02 22:16
Antimony	0.053	mg/L	0.000020	107	70	130			
Arsenic	0.051	mg/L	0.00010	101	70	130			
Barium	0.070	mg/L	0.000026	99.6	70	130			
Cadmium	0.047	mg/L	0.000030	94.4	70	130			
Chromium	0.053	mg/L	0.00010	98.9	70	130			
Cobalt	0.048	mg/L	0.000050	95.4	70	130			
Copper	0.047	mg/L	0.00020	92.1	70	130			
Lead	0.051	mg/L	0.000020	101	70	130			
Mercury	0.0010	mg/L	0.000020	103	70	130			
Nickel	0.053	mg/L	0.000050	93.8	70	130			
Selenium	0.050	mg/L	0.00030	99.7	70	130			
Silver	0.019	mg/L	0.000050	93.8	70	130			
Thallium	0.051	mg/L	0.000020	102	70	130			
Vanadium	0.054	mg/L	0.000050	102	70	130			
Zinc	0.048	mg/L	0.000050	90.5	70	130			
Sample ID: B02101379-018AMSD	Sample Matrix Spike Duplicate								10/30/02 22:22
Antimony	0.051	mg/L	0.000020	102	70	130	4.2	20	
Arsenic	0.050	mg/L	0.00010	98.8	70	130	1.9	20	
Barium	0.069	mg/L	0.000026	96	70	130	2.6	20	
Cadmium	0.046	mg/L	0.000030	92.5	70	130	2.0	20	
Chromium	0.052	mg/L	0.00010	95.9	70	130	2.9	20	
Cobalt	0.047	mg/L	0.000050	93.9	70	130	1.6	20	
Copper	0.046	mg/L	0.00020	90	70	130	2.3	20	
Lead	0.050	mg/L	0.000020	99.6	70	130	1.4	20	
Mercury	0.0010	mg/L	0.000020	103	70	130	0.3	20	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R16598		
Sample ID: B02101379-018AMSD Sample Matrix Spike Duplicate							10/30/02 22:22		
Nickel	0.052	mg/L	0.000050	91.7	70	130	2.0	20	
Selenium	0.050	mg/L	0.00030	98.4	70	130	1.3	20	
Silver	0.018	mg/L	0.000050	92.2	70	130	1.8	20	
Thallium	0.050	mg/L	0.000020	101	70	130	1.2	20	
Vanadium	0.052	mg/L	0.000050	99	70	130	2.6	20	
Zinc	0.046	mg/L	0.000050	86.7	70	130	4.0	20	
Sample ID: B02101381-005AMS Sample Matrix Spike							10/31/02 00:41		
Copper	0.0501	mg/L	0	100	90	110			
Lead	0.0493	mg/L	0	98.6	90	110			
Sample ID: B02101381-005AMSD Sample Matrix Spike Duplicate							10/31/02 01:13		
Copper	0.0481	mg/L	0	96.1	90	110	0	10	
Lead	0.0487	mg/L	0	97.4	90	110	0	10	
Sample ID: B02101396-004AMS Sample Matrix Spike							10/31/02 02:53		
Antimony	0.27	mg/L	0.000060	108	70	130			
Arsenic	0.23	mg/L	0.00020	92.4	70	130			
Barium	0.27	mg/L	0.00013	104	70	130			
Beryllium	0.23	mg/L	0.00014	92	70	130			
Cadmium	0.23	mg/L	0.000045	92	70	130			
Chromium	0.26	mg/L	0.00020	103	70	130			
Cobalt	0.25	mg/L	0.000060	101	70	130			
Copper	0.25	mg/L	0.00037	92.8	70	130			
Lead	0.25	mg/L	0.000040	102	70	130			
Mercury	0.0053	mg/L	0.000055	106	70	130			
Nickel	0.26	mg/L	0.00014	96.2	70	130			
Selenium	0.56	mg/L	0.00055	95.8	70	130			
Silver	0.091	mg/L	0.00015	91.2	70	130			
Thallium	0.25	mg/L	0.000035	102	70	130			
Vanadium	0.27	mg/L	0.00016	106	70	130			
Zinc	0.26	mg/L	0.00017	91.1	70	130			
Sample ID: B02101396-004AMSD Sample Matrix Spike Duplicate							10/31/02 03:00		
Antimony	0.27	mg/L	0.000060	108	70	130	0.3	20	
Arsenic	0.23	mg/L	0.00020	94	70	130	1.6	20	
Barium	0.27	mg/L	0.00013	104	70	130	0	20	
Beryllium	0.23	mg/L	0.00014	92.9	70	130	1.0	20	
Cadmium	0.24	mg/L	0.000045	94	70	130	2.2	20	
Chromium	0.26	mg/L	0.00020	103	70	130	0.2	20	
Cobalt	0.25	mg/L	0.000060	101	70	130	0.3	20	
Copper	0.26	mg/L	0.00037	95.9	70	130	3.0	20	
Lead	0.26	mg/L	0.000040	105	70	130	2.7	20	
Mercury	0.0054	mg/L	0.000055	109	70	130	2.9	20	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 11/05/02

Project: Landfill

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R16598
Sample ID: B02101396-004AMSD	Sample Matrix Spike Duplicate								10/31/02 03:00
Nickel	0.26	mg/L	0.00014	96.9	70	130	0.7	20	
Selenium	0.55	mg/L	0.00055	92.4	70	130	1.5	20	
Silver	0.11	mg/L	0.00015	106	70	130	15	20	
Thallium	0.26	mg/L	0.000035	105	70	130	2.8	20	
Vanadium	0.27	mg/L	0.00016	107	70	130	0.5	20	
Zinc	0.26	mg/L	0.00017	91	70	130	0	20	
Sample ID: B02101399-001CMS	Sample Matrix Spike								10/31/02 04:28
Antimony	0.27	mg/L	0.000060	107	70	130			
Arsenic	0.25	mg/L	0.00020	100	70	130			
Barium	0.27	mg/L	0.00013	104	70	130			
Beryllium	0.24	mg/L	0.00014	94.3	70	130			
Cadmium	0.24	mg/L	0.000045	94.3	70	130			
Chromium	0.26	mg/L	0.00020	104	70	130			
Cobalt	0.25	mg/L	0.000060	101	70	130			
Copper	0.24	mg/L	0.00037	95.1	70	130			
Lead	0.26	mg/L	0.000040	103	70	130			
Mercury	0.0054	mg/L	0.000055	106	70	130			
Nickel	0.25	mg/L	0.00014	98	70	130			
Selenium	0.24	mg/L	0.00055	95.2	70	130			
Silver	0.093	mg/L	0.00015	93.4	70	130			
Thallium	0.26	mg/L	0.000035	104	70	130			
Vanadium	0.27	mg/L	0.00016	107	70	130			
Zinc	0.25	mg/L	0.00017	92.4	70	130			
Sample ID: B02101399-001CMSD	Sample Matrix Spike Duplicate								10/31/02 04:34
Antimony	0.26	mg/L	0.000060	105	70	130	1.5	20	
Arsenic	0.25	mg/L	0.00020	98.8	70	130	1.2	20	
Barium	0.27	mg/L	0.00013	104	70	130	0.2	20	
Beryllium	0.23	mg/L	0.00014	92.5	70	130	1.8	20	
Cadmium	0.23	mg/L	0.000045	92.9	70	130	1.5	20	
Chromium	0.26	mg/L	0.00020	102	70	130	1.9	20	
Cobalt	0.25	mg/L	0.000060	98.8	70	130	1.9	20	
Copper	0.24	mg/L	0.00037	94.1	70	130	1.1	20	
Lead	0.25	mg/L	0.000040	101	70	130	1.3	20	
Mercury	0.0056	mg/L	0.000055	111	70	130	4.0	20	
Nickel	0.24	mg/L	0.00014	97.7	70	130	0.3	20	
Selenium	0.24	mg/L	0.00055	95.4	70	130	0.2	20	
Silver	0.10	mg/L	0.00015	101	70	130	7.8	20	
Thallium	0.26	mg/L	0.000035	102	70	130	2.2	20	
Vanadium	0.26	mg/L	0.00016	104	70	130	3.0	20	
Zinc	0.24	mg/L	0.00017	90	70	130	2.4	20	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R16830
Sample ID: ICB	Method Blank								11/01/02 12:55
Chloride	ND	mg/L	1.00						
Sulfate	ND	mg/L	1.00						
Sample ID: B02101350-003A MS	Sample Matrix Spike								11/01/02 17:36
Chloride	35.9	mg/L	1.00	120	80	120			
Sulfate	157	mg/L	1.00	85.3	80	120			
Sample ID: B02101433-003A MS	Sample Matrix Spike								11/01/02 20:26
Chloride	59.0	mg/L	1.00	95.8	80	120			
Sulfate	1600	mg/L	2.65	110	80	120			
Sample ID: B02101433-003A MSD	Sample Matrix Spike Duplicate								11/01/02 20:38
Chloride	63.3	mg/L	1.00	104	80	120	7.0	20	
Sample ID: B02101478-004A MS	Sample Matrix Spike								11/02/02 14:00
Chloride	113	mg/L	1.00	109	80	120			
Sulfate	1650	mg/L	2.65	114	80	120			
Sample ID: B02101478-004A MSD	Sample Matrix Spike Duplicate								11/02/02 14:12
Chloride	113	mg/L	1.00	110	80	120	0.6	20	
Sulfate	1660	mg/L	2.65	119	80	120	0.6	20	
Method: E335.4									Batch: A2002-11-01_4_CN_01
Sample ID: B02101344-001DMS	Sample Matrix Spike								11/01/02 11:14
Cyanide, Total Manual Distillation	0.107	mg/L	0.00500	107	80	120			
Sample ID: B02101344-001DMSD	Sample Matrix Spike Duplicate								11/01/02 11:16
Cyanide, Total Manual Distillation	0.111	mg/L	0.00500	111	80	120	3.7	10	
Sample ID: B02101492-009FMS	Sample Matrix Spike								11/01/02 11:53
Cyanide, Total Manual Distillation	0.103	mg/L	0.00500	103	80	120			
Sample ID: B02101492-009FMSD	Sample Matrix Spike Duplicate								11/01/02 11:54
Cyanide, Total Manual Distillation	0.107	mg/L	0.00500	107	80	120	3.5	10	
Sample ID: B02101487-001BMS	Sample Matrix Spike								11/01/02 15:16
Cyanide, Total Manual Distillation	1.26	mg/L	0.0168	99.1	80	120			
Sample ID: B02101487-001BMSD	Sample Matrix Spike Duplicate								11/01/02 15:18
Cyanide, Total Manual Distillation	1.28	mg/L	0.0168	102	80	120	1.4	10	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: 02103102-NN2		
Sample ID: B02101240-001A MS	Sample Matrix Spike								10/31/02 16:11
Nitrogen, Nitrate+Nitrite as N	2.29	mg/L	0.0500	95.1	80	120			
Sample ID: B02101240-001A MSD	Sample Matrix Spike Duplicate								10/31/02 16:12
Nitrogen, Nitrate+Nitrite as N	2.29	mg/L	0.0500	94.4	80	120	0.3	10	
Sample ID: B02101241-001A MS	Sample Matrix Spike								10/31/02 16:21
Nitrogen, Nitrate+Nitrite as N	2.27	mg/L	0.0500	96.4	80	120			
Sample ID: B02101241-001A MSD	Sample Matrix Spike Duplicate								10/31/02 16:21
Nitrogen, Nitrate+Nitrite as N	2.26	mg/L	0.0500	95.6	80	120	0.4	10	
Sample ID: B02101299-001D MS	Sample Matrix Spike								10/31/02 16:31
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.0500	103	80	120			
Sample ID: B02101299-001D MSD	Sample Matrix Spike Duplicate								10/31/02 16:31
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.0500	103	80	120	0.9	10	
Sample ID: B02101299-004D MS	Sample Matrix Spike								10/31/02 16:41
Nitrogen, Nitrate+Nitrite as N	1.14	mg/L	0.0500	103	80	120			
Sample ID: B02101299-004D MSD	Sample Matrix Spike Duplicate								10/31/02 16:41
Nitrogen, Nitrate+Nitrite as N	1.13	mg/L	0.0500	102	80	120	1.0	10	
Sample ID: B02101242-001A MS	Sample Matrix Spike								10/31/02 16:50
Nitrogen, Nitrate+Nitrite as N	1.87	mg/L	0.0500	99	80	120			
Sample ID: B02101242-001A MSD	Sample Matrix Spike Duplicate								10/31/02 16:51
Nitrogen, Nitrate+Nitrite as N	1.86	mg/L	0.0500	97.7	80	120	0.7	10	
Sample ID: B02101299-007D MS	Sample Matrix Spike								10/31/02 17:00
Nitrogen, Nitrate+Nitrite as N	1.05	mg/L	0.0500	105	80	120			
Sample ID: B02101299-007D MSD	Sample Matrix Spike Duplicate								10/31/02 17:01
Nitrogen, Nitrate+Nitrite as N	1.04	mg/L	0.0500	104	80	120	1.0	10	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/05/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: 02103104-NN2		
Sample ID: B02101299-011D MS	Sample Matrix Spike								10/31/02 18:11
Nitrogen, Nitrate+Nitrite as N	1.31	mg/L	0.0500	105	80	120			
Sample ID: B02101299-011D MSD	Sample Matrix Spike Duplicate								10/31/02 18:12
Nitrogen, Nitrate+Nitrite as N	1.30	mg/L	0.0500	103	80	120	1.1	10	
Sample ID: B02101299-012D MS	Sample Matrix Spike								10/31/02 18:21
Nitrogen, Nitrate+Nitrite as N	2.09	mg/L	0.0500	105	80	120			
Sample ID: B02101299-012D MSD	Sample Matrix Spike Duplicate								10/31/02 18:22
Nitrogen, Nitrate+Nitrite as N	2.08	mg/L	0.0500	104	80	120	0.7	10	
Sample ID: B02101299-013D MS	Sample Matrix Spike								10/31/02 18:31
Nitrogen, Nitrate+Nitrite as N	2.87	mg/L	0.0500	101	80	120			
Sample ID: B02101299-013D MSD	Sample Matrix Spike Duplicate								10/31/02 18:32
Nitrogen, Nitrate+Nitrite as N	2.86	mg/L	0.0500	99.3	80	120	0.5	10	
Method: E410.4							Batch: R16851		
Sample ID: MB-R16851	Method Blank								11/04/02 08:00
Oxygen Demand, Chemical (COD)	ND	mg/L	1.00						
Sample ID: LCS-R16851	Laboratory Control Spike								11/04/02 08:00
Oxygen Demand, Chemical (COD)	178	mg/L	1.00	95.2	90	110			
Sample ID: B02101349-008CMS	Sample Matrix Spike								11/04/02 08:00
Oxygen Demand, Chemical (COD)	30.4	mg/L	1.00	95.9	80	120			
Sample ID: B02101349-008CMSD	Sample Matrix Spike Duplicate								11/04/02 08:00
Oxygen Demand, Chemical (COD)	31.1	mg/L	1.00	98.8	80	120	2.3	10	
Sample ID: B02110002-001BMS	Sample Matrix Spike								11/04/02 08:00
Oxygen Demand, Chemical (COD)	39.3	mg/L	1.00	95.5	80	120			
Sample ID: B02110002-001BMSD	Sample Matrix Spike Duplicate								11/04/02 08:00
Oxygen Demand, Chemical (COD)	38.9	mg/L	1.00	93.9	80	120	1.0	10	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/07/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R16950		
Sample ID: LCS110102	Laboratory Control Spike							11/01/02 10:55	
Acetone	58.0	ug/L	20.0	116	73.9	128			
Acrylonitrile	54.0	ug/L	20.0	108	72.2	124			
Benzene	5.00	ug/L	1.00	100	74	120			
Bromochloromethane	4.88	ug/L	1.00	97.6	72.4	122			
Bromodichloromethane	5.12	ug/L	1.00	102	67.3	123			
Bromoform	4.92	ug/L	1.00	98.4	62.7	120			
Bromomethane	5.64	ug/L	1.00	113	57.1	136			
Carbon disulfide	5.04	ug/L	1.00	101	45.2	162			
Carbon tetrachloride	5.32	ug/L	1.00	106	73.1	122			
Chlorobenzene	5.20	ug/L	1.00	104	79.2	120			
Chlorodibromomethane	5.28	ug/L	1.00	106	74.5	120			
Chloroethane	5.52	ug/L	1.00	110	65.4	128			
Chloroform	4.80	ug/L	1.00	96	75.8	120			
Chloromethane	5.56	ug/L	1.00	111	57.1	132			
1,2-Dibromo-3-chloropropane	5.04	ug/L	1.00	101	65.3	113			
1,2-Dibromoethane	5.16	ug/L	1.00	103	68.8	120			
Dibromomethane	5.08	ug/L	1.00	102	67.8	127			
1,2-Dichlorobenzene	5.32	ug/L	1.00	106	80.1	120			
1,4-Dichlorobenzene	5.36	ug/L	1.00	107	75.3	120			
trans-1,4-Dichloro-2-butene	5.00	ug/L	1.00	100	61.6	123			
Dichlorodifluoromethane	5.12	ug/L	1.00	102	55	146			
1,1-Dichloroethane	5.16	ug/L	1.00	103	73.3	120			
1,2-Dichloroethane	4.56	ug/L	1.00	91.2	62.6	120			
1,1-Dichloroethene	5.28	ug/L	1.00	106	75.8	127			
cis-1,2-Dichloroethene	5.04	ug/L	1.00	101	76.4	120			
trans-1,2-Dichloroethene	5.28	ug/L	1.00	106	68.8	123			
1,2-Dichloropropane	5.16	ug/L	1.00	103	67.1	122			
cis-1,3-Dichloropropene	5.44	ug/L	1.00	109	59.2	128			
trans-1,3-Dichloropropene	5.84	ug/L	1.00	117	52.8	147			
Ethylbenzene	5.12	ug/L	1.00	102	74.6	120			
2-Hexanone	55.6	ug/L	20.0	111	70.6	127			
Iodomethane	5.60	ug/L	1.00	112	69.9	140			
Methyl ethyl ketone	48.4	ug/L	20.0	96.8	66.5	123			
Methyl isobutyl ketone	55.6	ug/L	20.0	111	71.4	128			
Methylene chloride	5.24	ug/L	1.00	105	65.1	123			
Styrene	5.28	ug/L	1.00	106	73.2	120			
1,1,1,2-Tetrachloroethane	5.20	ug/L	1.00	104	71.2	120			
1,1,2,2-Tetrachloroethane	5.44	ug/L	1.00	109	65	125			
Tetrachloroethene	4.92	ug/L	1.00	98.4	69.8	120			
Toluene	5.16	ug/L	1.00	103	70.5	129			
1,1,1-Trichloroethane	4.72	ug/L	1.00	94.4	68.4	123			
1,1,2-Trichloroethane	5.00	ug/L	1.00	100	64.4	120			
Trichloroethene	4.88	ug/L	1.00	97.6	70.5	120			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/07/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R16950		
Sample ID: LCS110102	Laboratory Control Spike							11/01/02 10:55	
Trichlorofluoromethane	5.12	ug/L	1.00	102	54.8	142			
1,2,3-Trichloropropane	5.36	ug/L	1.00	107	66.9	120			
Vinyl acetate	4.28	ug/L	1.00	85.6	41.8	120			
Vinyl chloride	5.20	ug/L	1.00	104	45.7	144			
m+p-Xylenes	10.6	ug/L	1.00	106	72.8	125			
o-Xylene	5.36	ug/L	1.00	107	71.5	127			
Surr: 1,2-Dichloroethane-d4			1.00	106	70	130			
Surr: Dibromofluoromethane			1.00	110	77	126			
Surr: p-Bromofluorobenzene			1.00	112	76	127			
Surr: Toluene-d8			1.00	111	79	122			
Sample ID: MBLK110102	Method Blank							11/01/02 11:29	
Acetone	ND	ug/L	20.0						
Acrylonitrile	ND	ug/L	20.0						
Benzene	ND	ug/L	1.00						
Bromochloromethane	ND	ug/L	1.00						
Bromodichloromethane	ND	ug/L	1.00						
Bromoform	ND	ug/L	1.00						
Bromomethane	ND	ug/L	1.00						
Carbon disulfide	ND	ug/L	1.00						
Carbon tetrachloride	ND	ug/L	1.00						
Chlorobenzene	ND	ug/L	1.00						
Chlorodibromomethane	ND	ug/L	1.00						
Chloroethane	ND	ug/L	1.00						
Chloroform	ND	ug/L	1.00						
Chloromethane	ND	ug/L	1.00						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.00						
1,2-Dibromoethane	ND	ug/L	1.00						
Dibromomethane	ND	ug/L	1.00						
1,2-Dichlorobenzene	ND	ug/L	1.00						
1,4-Dichlorobenzene	ND	ug/L	1.00						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.00						
Dichlorodifluoromethane	ND	ug/L	1.00						
1,1-Dichloroethane	ND	ug/L	1.00						
1,2-Dichloroethane	ND	ug/L	1.00						
1,1-Dichloroethene	ND	ug/L	1.00						
cis-1,2-Dichloroethene	ND	ug/L	1.00						
trans-1,2-Dichloroethene	ND	ug/L	1.00						
1,2-Dichloropropane	ND	ug/L	1.00						
cis-1,3-Dichloropropene	ND	ug/L	1.00						
trans-1,3-Dichloropropene	ND	ug/L	1.00						
Ethylbenzene	ND	ug/L	1.00						
2-Hexanone	ND	ug/L	20.0						

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 11/07/02

Project: Landfill

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R16950
Sample ID: MBLK110102	Method Blank								11/01/02 11:29
Iodomethane	ND	ug/L	1.00						
Methyl ethyl ketone	ND	ug/L	20.0						
Methyl isobutyl ketone	ND	ug/L	20.0						
Methylene chloride	ND	ug/L	1.00						
Styrene	ND	ug/L	1.00						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00						
Tetrachloroethene	ND	ug/L	1.00						
Toluene	ND	ug/L	1.00						
1,1,1-Trichloroethane	ND	ug/L	1.00						
1,1,2-Trichloroethane	ND	ug/L	1.00						
Trichloroethene	ND	ug/L	1.00						
Trichlorofluoromethane	ND	ug/L	1.00						
1,2,3-Trichloropropane	ND	ug/L	1.00						
Vinyl acetate	ND	ug/L	1.00						
Vinyl chloride	ND	ug/L	1.00						
m+p-Xylenes	ND	ug/L	1.00						
o-Xylene	ND	ug/L	1.00						
Surr: 1,2-Dichloroethane-d4			1.00	104	70	130			
Surr: Dibromofluoromethane			1.00	106	77	126			
Surr: p-Bromofluorobenzene			1.00	111	76	127			
Surr: Toluene-d8			1.00	109	79	122			
Sample ID: MBLKa110102	Method Blank								11/01/02 23:07
Acetone	ND	ug/L	20.0						
Acrylonitrile	ND	ug/L	20.0						
Benzene	ND	ug/L	1.00						
Bromochloromethane	ND	ug/L	1.00						
Bromodichloromethane	ND	ug/L	1.00						
Bromoform	ND	ug/L	1.00						
Bromomethane	ND	ug/L	1.00						
Carbon disulfide	ND	ug/L	1.00						
Carbon tetrachloride	ND	ug/L	1.00						
Chlorobenzene	ND	ug/L	1.00						
Chlorodibromomethane	ND	ug/L	1.00						
Chloroethane	ND	ug/L	1.00						
Chloroform	ND	ug/L	1.00						
Chloromethane	ND	ug/L	1.00						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.00						
1,2-Dibromoethane	ND	ug/L	1.00						
Dibromomethane	ND	ug/L	1.00						
1,2-Dichlorobenzene	ND	ug/L	1.00						
1,4-Dichlorobenzene	ND	ug/L	1.00						

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/07/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R16950
Sample ID: MBLKa110102	Method Blank								11/01/02 23:07
trans-1,4-Dichloro-2-butene	ND	ug/L	1.00						
Dichlorodifluoromethane	ND	ug/L	1.00						
1,1-Dichloroethane	ND	ug/L	1.00						
1,2-Dichloroethane	ND	ug/L	1.00						
1,1-Dichloroethene	ND	ug/L	1.00						
cis-1,2-Dichloroethene	ND	ug/L	1.00						
trans-1,2-Dichloroethene	ND	ug/L	1.00						
1,2-Dichloropropane	ND	ug/L	1.00						
cis-1,3-Dichloropropene	ND	ug/L	1.00						
trans-1,3-Dichloropropene	ND	ug/L	1.00						
Ethylbenzene	ND	ug/L	1.00						
2-Hexanone	ND	ug/L	20.0						
Iodomethane	ND	ug/L	1.00						
Methyl ethyl ketone	ND	ug/L	20.0						
Methyl isobutyl ketone	ND	ug/L	20.0						
Methylene chloride	ND	ug/L	1.00						
Styrene	ND	ug/L	1.00						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00						
Tetrachloroethene	ND	ug/L	1.00						
Toluene	ND	ug/L	1.00						
1,1,1-Trichloroethane	ND	ug/L	1.00						
1,1,2-Trichloroethane	ND	ug/L	1.00						
Trichloroethene	ND	ug/L	1.00						
Trichlorofluoromethane	ND	ug/L	1.00						
1,2,3-Trichloropropane	ND	ug/L	1.00						
Vinyl acetate	ND	ug/L	1.00						
Vinyl chloride	ND	ug/L	1.00						
m+p-Xylenes	ND	ug/L	1.00						
o-Xylene	ND	ug/L	1.00						
Surr: 1,2-Dichloroethane-d4			1.00	105	70	130			
Surr: Dibromofluoromethane			1.00	110	77	126			
Surr: p-Bromofluorobenzene			1.00	121	76	127			
Surr: Toluene-d8			1.00	109	79	122			
Sample ID: B02101349-001DMS	Sample Matrix Spike								11/02/02 03:39
Acetone	58.4	ug/L	20.0	117	73.9	128			
Acrylonitrile	52.0	ug/L	20.0	104	72.2	124			
Benzene	4.92	ug/L	1.00	98.4	74	120			
Bromochloromethane	4.64	ug/L	1.00	92.8	72.4	122			
Bromodichloromethane	5.00	ug/L	1.00	100	67.3	123			
Bromoform	4.72	ug/L	1.00	94.4	62.7	120			
Bromomethane	4.80	ug/L	1.00	96	57.1	136			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Project: Landfill

Report Date: 11/07/02

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R16950
Sample ID: B02101349-001DMS	Sample Matrix Spike								11/02/02 03:39
Carbon disulfide	5.16	ug/L	1.00	103	45.2	162			
Carbon tetrachloride	5.56	ug/L	1.00	111	73.1	122			
Chlorobenzene	5.28	ug/L	1.00	106	79.2	120			
Chlorodibromomethane	5.12	ug/L	1.00	102	74.5	120			
Chloroethane	4.72	ug/L	1.00	94.4	65.4	128			
Chloroform	6.16	ug/L	1.00	98.1	75.8	120			
Chloromethane	5.12	ug/L	1.00	102	57.1	132			
1,2-Dibromo-3-chloropropane	4.72	ug/L	1.00	94.4	65.3	113			
1,2-Dibromoethane	5.12	ug/L	1.00	102	68.8	120			
Dibromomethane	5.00	ug/L	1.00	100	67.8	127			
1,2-Dichlorobenzene	5.16	ug/L	1.00	103	80.1	120			
1,4-Dichlorobenzene	5.32	ug/L	1.00	106	75.3	120			
trans-1,4-Dichloro-2-butene	4.08	ug/L	1.00	81.6	61.6	123			
Dichlorodifluoromethane	5.20	ug/L	1.00	94.3	55	146			
1,1-Dichloroethane	5.16	ug/L	1.00	103	73.3	120			
1,2-Dichloroethane	4.96	ug/L	1.00	99.2	62.6	120			
1,1-Dichloroethene	4.56	ug/L	1.00	91.2	75.8	127			
cis-1,2-Dichloroethene	5.00	ug/L	1.00	100	76.4	120			
trans-1,2-Dichloroethene	5.36	ug/L	1.00	107	68.8	123			
1,2-Dichloropropane	5.04	ug/L	1.00	101	67.1	122			
cis-1,3-Dichloropropene	4.88	ug/L	1.00	97.6	59.2	128			
trans-1,3-Dichloropropene	5.48	ug/L	1.00	110	52.8	147			
Ethylbenzene	5.32	ug/L	1.00	106	74.6	120			
2-Hexanone	53.6	ug/L	20.0	107	70.6	127			
Iodomethane	5.64	ug/L	1.00	113	69.9	140			
Methyl ethyl ketone	45.2	ug/L	20.0	90.4	66.5	123			
Methyl isobutyl ketone	50.8	ug/L	20.0	102	71.4	128			
Methylene chloride	5.08	ug/L	1.00	102	65.1	123			
Styrene	5.20	ug/L	1.00	104	73.2	120			
1,1,1,2-Tetrachloroethane	5.28	ug/L	1.00	106	71.2	120			
1,1,2,2-Tetrachloroethane	5.48	ug/L	1.00	110	65	125			
Tetrachloroethene	10.8	ug/L	1.00	110	69.8	120			
Toluene	5.16	ug/L	1.00	103	70.5	129			
1,1,1-Trichloroethane	5.64	ug/L	1.00	98.2	68.4	123			
1,1,2-Trichloroethane	5.24	ug/L	1.00	105	64.4	120			
Trichloroethene	4.80	ug/L	1.00	96	70.5	120			
Trichlorofluoromethane	6.04	ug/L	1.00	110	54.8	142			
1,2,3-Trichloropropane	5.24	ug/L	1.00	105	66.9	120			
Vinyl acetate	4.76	ug/L	1.00	95.2	41.8	120			
Vinyl chloride	4.24	ug/L	1.00	84.8	45.7	144			
m+p-Xylenes	10.6	ug/L	1.00	106	72.8	125			
o-Xylene	5.32	ug/L	1.00	106	71.5	127			
Surr: 1,2-Dichloroethane-d4			1.00	106	70	130			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 11/07/02

Project: Landfill

Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R16950
Sample ID: B02101349-001DMS	Sample Matrix Spike								11/02/02 03:39
Surr: Dibromofluoromethane			1.00	114	77	126			
Surr: p-Bromofluorobenzene			1.00	113	76	127			
Surr: Toluene-d8			1.00	107	79	122			
Sample ID: B02101349-001DMSD	Sample Matrix Spike Duplicate								11/02/02 04:12
Acetone	61.2	ug/L	20.0	122	73.9	128	4.7	20	
Acrylonitrile	54.4	ug/L	20.0	109	72.2	124	4.5	20	
Benzene	5.16	ug/L	1.00	103	74	120	4.8	20	
Bromochloromethane	4.88	ug/L	1.00	97.6	72.4	122	5.0	20	
Bromodichloromethane	5.24	ug/L	1.00	105	67.3	123	4.7	20	
Bromoform	4.84	ug/L	1.00	96.8	62.7	120	2.5	20	
Bromomethane	4.88	ug/L	1.00	97.6	57.1	136	1.7	20	
Carbon disulfide	5.28	ug/L	1.00	106	45.2	162	2.3	20	
Carbon tetrachloride	5.16	ug/L	1.00	103	73.1	122	7.5	20	
Chlorobenzene	5.32	ug/L	1.00	106	79.2	120	0.8	20	
Chlorodibromomethane	5.12	ug/L	1.00	102	74.5	120	0	20	
Chloroethane	5.60	ug/L	1.00	112	65.4	128	17	20	
Chloroform	6.24	ug/L	1.00	99.7	75.8	120	1.3	20	
Chloromethane	5.68	ug/L	1.00	114	57.1	132	10	20	
1,2-Dibromo-3-chloropropane	4.64	ug/L	1.00	92.8	65.3	113	1.7	20	
1,2-Dibromoethane	5.32	ug/L	1.00	106	68.8	120	3.8	20	
Dibromomethane	5.32	ug/L	1.00	106	67.8	127	6.2	20	
1,2-Dichlorobenzene	5.40	ug/L	1.00	108	80.1	120	4.5	20	
1,4-Dichlorobenzene	5.28	ug/L	1.00	106	75.3	120	0.8	20	
trans-1,4-Dichloro-2-butene	3.80	ug/L	1.00	76	61.6	123	7.1	20	
Dichlorodifluoromethane	5.64	ug/L	1.00	103	55	146	8.1	20	
1,1-Dichloroethane	5.28	ug/L	1.00	106	73.3	120	2.3	20	
1,2-Dichloroethane	5.08	ug/L	1.00	102	62.6	120	2.4	20	
1,1-Dichloroethene	4.84	ug/L	1.00	96.8	75.8	127	6.0	20	
cis-1,2-Dichloroethene	5.08	ug/L	1.00	102	76.4	120	1.6	20	
trans-1,2-Dichloroethene	5.96	ug/L	1.00	119	68.8	123	11	20	
1,2-Dichloropropane	5.04	ug/L	1.00	101	67.1	122	0	20	
cis-1,3-Dichloropropene	5.28	ug/L	1.00	106	59.2	128	7.9	20	
trans-1,3-Dichloropropene	5.56	ug/L	1.00	111	52.8	147	1.4	20	
Ethylbenzene	5.08	ug/L	1.00	102	74.6	120	4.6	20	
2-Hexanone	54.0	ug/L	20.0	108	70.6	127	0.7	20	
Iodomethane	5.60	ug/L	1.00	112	69.9	140	0.7	20	
Methyl ethyl ketone	44.4	ug/L	20.0	88.8	66.5	123	1.8	20	
Methyl isobutyl ketone	52.0	ug/L	20.0	104	71.4	128	2.3	20	
Methylene chloride	5.40	ug/L	1.00	108	65.1	123	6.1	20	
Styrene	5.32	ug/L	1.00	106	73.2	120	2.3	20	
1,1,1,2-Tetrachloroethane	5.36	ug/L	1.00	107	71.2	120	1.5	20	
1,1,2,2-Tetrachloroethane	5.72	ug/L	1.00	114	65	125	4.3	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits
R - RPD outside of recommended recovery limits

QA/QC Summary Report

Client: Sanitation Inc.
Project: Landfill

Report Date: 11/07/02
Work Order: B02101350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R16950
Sample ID: B02101349-001DMSD	Sample Matrix Spike Duplicate								11/02/02 04:12
Tetrachloroethene	10.6	ug/L	1.00	106	69.8	120	1.9		20
Toluene	5.20	ug/L	1.00	104	70.5	129	0.8		20
1,1,1-Trichloroethane	5.84	ug/L	1.00	102	68.4	123	3.5		20
1,1,2-Trichloroethane	4.56	ug/L	1.00	91.2	64.4	120	14		20
Trichloroethene	5.16	ug/L	1.00	103	70.5	120	7.2		20
Trichlorofluoromethane	5.96	ug/L	1.00	108	54.8	142	1.3		20
1,2,3-Trichloropropane	5.36	ug/L	1.00	107	66.9	120	2.3		20
Vinyl acetate	4.44	ug/L	1.00	88.8	41.8	120	7.0		20
Vinyl chloride	4.96	ug/L	1.00	99.2	45.7	144	16		20
m+p-Xylenes	10.7	ug/L	1.00	107	72.8	125	1.5		20
o-Xylene	5.56	ug/L	1.00	111	71.5	127	4.4		20
Surr: 1,2-Dichloroethane-d4			1.00	102	70	130			
Surr: Dibromofluoromethane			1.00	110	77	126			
Surr: p-Bromofluorobenzene			1.00	111	76	127			
Surr: Toluene-d8			1.00	110	79	122			

Energy Laboratories Inc

Sample Receipt Checklist

Client Name **SNTTN-INC**

Date and Time Received:

10/29/2002

Work Order Number **B02101350**

Received by **klm**

Checklist completed by

Kristle M. Smith 10/29/02
Signature Date

Reviewed by

Initials

Date

Carrier name UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____

Checked by

JB

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action _____



HYDROMETRICS, INC. MONTANA OFFICES

HELENA (Corporate)
2727 Airport Road
Helena, MT 59601
Phone: (406) 443-4150
FAX: (406) 443-4155

BILLINGS
5825 Lazy Lane
Billings, MT 59106
Phone: (406) 656-1172
FAX: (406) 656-8912

MISSOULA
667 East Beckwith
Missoula, MT 59801
Phone: (406) 721-8243
FAX: (406) 542-2619

COLSTRIP
P.O. Box 2136
Colstrip, MT 59323
Phone: (406) 748-5002